

CATALOG
NUMBER

IMMUNODETECTION SYSTEMS

Western Blotting Kits

ICN continues to emerge as a leading supplier of western blotting reagents. From years of experience as a premier supplier of electrophoresis materials, primary and secondary antibodies, and transfer membranes, ICN has developed a high quality line of chemiluminescence, fluorescence and universal kits specifically for Western Blot applications.

Aurora™ Chemiluminescence Detection Systems

AURORA™ WESTERN BLOT KIT (HUMAN)

For Chemiluminescent Immunoblotting

The Aurora™ Western Blot Kit is a versatile, complete non-isotopic **chemiluminescent** immunoblotting system. The kit provides advantages of speed, sensitivity, flexibility, and control of film exposure time. The Aurora™ system utilizes the StarLight™ high-performance chemiluminescent substrate for alkaline phosphatase to detect a secondary antibody-alkaline phosphatase conjugate for extremely sensitive detection of proteins. This specific kit utilizes a **goat anti-human IgG-AP** conjugate as secondary antibody.

Kit Capacity: 10 to 15 or 40-50 blots (10cm x 10cm).

Kit Contents:

- StarLight™ substrate
- Secondary antibody conjugate
- Aurora™ Blocking reagent
- Opti-Membrane™ Reagent
- Diethanolamine

A complete protocol is supplied with each kit.

821540

10 Blot

821541

40 Blot

AURORA™ WESTERN BLOT KIT (MOUSE)

For Chemiluminescent Immunoblotting

The Aurora™ Western Blot Kit is a versatile, complete non-isotopic **chemiluminescent** immunoblotting system. The kit provides advantages of speed, sensitivity, flexibility, and control of film exposure time. The Aurora™ system utilizes the StarLight™ high-performance chemiluminescent substrate for alkaline phosphatase to detect a secondary antibody-alkaline phosphatase conjugate for extremely sensitive detection of proteins. This specific kit utilizes a **goat anti-mouse IgG/IgM-AP** conjugate as secondary antibody.

Kit Capacity: 10-15 or 40-50 blots (10cm x 10cm).

Kit Contents:

- StarLight™ substrate
- Secondary antibody conjugate
- Aurora™ Blocking reagent
- Opti-Membrane™ Reagent
- Diethanolamine

A complete protocol is supplied with each kit.

821536

10 Blot

821537

40 Blot

CATALOG
NUMBER

AURORA™ WESTERN BLOT KIT (RABBIT)

For Chemiluminescent Immunoblotting

The Aurora™ Western Blot Kit is a versatile, complete non-isotopic **chemiluminescent** immunoblotting system. The kit provides advantages of speed, sensitivity, flexibility, and control of film exposure time. The Aurora™ system utilizes the StarLight™ high-performance chemiluminescent substrate for alkaline phosphatase to detect a secondary antibody-alkaline phosphatase conjugate for extremely sensitive detection of proteins. This specific kit utilizes a **goat anti-rabbit IgG-AP** conjugate as secondary antibody.

Kit Capacity: 10-15 or 40-50 blots (10cm x 10cm).

Kit Contents:

- StarLight™ substrate
- Secondary antibody conjugate
- Aurora™ Blocking reagent
- Opti-Membrane™ Reagent
- Diethanolamine

A complete protocol is supplied with each kit.

821538

10 Blot

821539

40 Blot

AURORA™ WESTERN BLOT KIT (RAT)

For Chemiluminescent Immunoblotting

The Aurora™ Western Blot Kit is a versatile, complete non-isotopic **chemiluminescent** immunoblotting system. The kit provides advantages of speed, sensitivity, flexibility, and control of film exposure time. The Aurora™ system utilizes the StarLight™ high-performance chemiluminescent substrate for alkaline phosphatase to detect a secondary antibody-alkaline phosphatase conjugate for extremely sensitive detection of proteins. This specific kit utilizes a **goat anti-rat IgG/IgM-AP** conjugate as secondary antibody.

Kit Capacity: 10-15 blots (10cm x 10cm).

Kit Contents:

- StarLight™ substrate
- Secondary antibody conjugate
- Aurora™ Blocking reagent
- Opti-Membrane™ Reagent
- Diethanolamine

A complete protocol is supplied with each kit.

821542

10 Blot

821543

40 Blot

STAR-GLO™ CHEMILUMINESCENT SUBSTRATE

Peroxidase substrate system

Each system contains equal volumes of solutions A and B for enhanced chemiluminescent detection in immunoblotting procedures involving peroxidase.

980901

60 ml

980903

240 ml

CATALOG
NUMBER

ImmuMark™ Universal Western Blot Kits

Universal Western Blot kits are designed for detecting mouse and rabbit primary antibodies. The SP-Biotin amplification method is used in conjunction with either AP or HRP to detect and stain unconjugated primary antibodies. The protocol and components have been matched to provide a sensitive yet versatile detection system for western blot methods. Besides detailed instructions, the kits contain Biotrans™ nylon transfer membranes, total protein stain, enzyme labeled streptavidin, enzyme chromogen, molecular weight markers, positive and negative controls, blocking agent and buffer sufficient for two 15 x 15 cm blots.

689061
0-5°C **IMMUMARK™ UNIVERSAL WESTERN BLOTTING KIT** 1 Kit
Mouse Primary Antibody
AP Conjugated

689361
0-5°C **IMMUMARK™ UNIVERSAL WESTERN BLOTTING KIT** 1 Kit
Mouse Primary Antibody
HRP Conjugated

689071
0-5°C **IMMUMARK™ UNIVERSAL WESTERN BLOTTING KIT** 1 Kit
Rabbit Primary Antibody
AP Conjugated

689371
0-5°C **IMMUMARK™ UNIVERSAL WESTERN BLOTTING KIT** 1 Kit
Rabbit Primary Antibody
HRP Conjugated

ImmuMark™ Western Blot Reagents

689081
0-5°C **IMMUMARK™ UNIVERSAL REAGENTS FOR WESTERN** 1 Set
BLOTTING
Mouse Primary Antibody
AP Conjugated

689381
0-5°C **IMMUMARK™ UNIVERSAL REAGENTS FOR WESTERN** 1 Set
BLOTTING
Mouse Primary Antibody
HRP Conjugated

689091
0-5°C **IMMUMARK™ UNIVERSAL REAGENTS FOR WESTERN** 1 Set
BLOTTING
Rabbit Primary Antibody
AP Conjugated

689391
0-5°C **IMMUMARK™ UNIVERSAL REAGENTS FOR WESTERN** 1 Set
BLOTTING
Rabbit Polyclonal
HRP Conjugated

One call. One source.
A world of biomedical products

ELISA Detection Systems

Biogenic Amine Assays

(For Research Use Only)

Cat. No.	Assay	Determinations
193589	Adrenaline ELISA	96
193599	sCD14 ELISA	96
193590	Histamine ELISA	96
193591	Histamine Release ELISA	96
193592	5-HIAA ELISA	96
193596	Melatonin ELISA	96
193597	Melatonin Sulfate ELISA	96
193593	Metanephrine ELISA	96
193594	Noradrenaline ELISA	96
193595	Normetanephrine ELISA	96
193598	Serotonin ELISA	96

ELISA-Kine Plus™ Detection Kits

The ELISA-Kine Plus™ system is a unique kit designed to measure the "Total" (bound and non-bound) cytokine in serum, plasma, CSF, saliva, urine and other biological fluids. Traditional cytokine systems do not detect ALL cytokine present in most samples because of masking associated with soluble receptors, binding proteins and auto-antibodies. The ELISA-Kine Plus™ system is not hindered by these interferences and offers enhanced detection of the "Total" amount of cytokine at nanogram levels. Additionally, this technology allows accurate measurement of cytokine concentration in cell cultures provided that the concentration is within the dynamic range of the assay (Please see the ICN ELISA-Kine™ system for traditional direct measurement of cytokine).

Cat. No.	Assay	Determinations
3230000	Human IL-1 α	192
3230200	Human IL-1 β	192
3230300	Human IL-2	192
3230400	Human IL-3	192
3230500	Human IL-4	192
3230600	Human IL-6	192
3230700	Human IL-7	192
3230800	Human IL-8	192
3230900	Human IL-10	192
3231000	Human IL-13	192
3231100	Human GM-CSF	192
3231200	Human TNF- α	192
3231300	Human TNF- β	192
3231400	Human IFN- α	192
3231500	Human MIP-1 α	192
3231600	Human VEGF	192
3231700	Human FGF-basic	192
3231800	Human EGF	192
3230100	Mouse IL-1 α	192
3231900	Mouse IL-1 β	192
3232000	Mouse IL-3	192
3232100	Mouse IL-6	192
3232200	Mouse GM-CSF	192
3232300	Mouse TNF- α	192

To place an order: (800) 854-0530
Outside the U.S.: (714) 545-0100

fax (800) 334-6999
fax (714) 557-4872

ELISA-Kine™ Detection Kits

The ELISA-Kine™ system offers direct sensitive detection of cytokine levels in cell culture and other biological fluids. The kit is designed after conventional methods utilizing a monoclonal/polyclonal based sandwich assay immunoassay protocol. These systems will accurately and efficiently detect and measure both natural and recombinant cytokine forms in a given sample.

Cat. No.	Assay	Determinations
3233000	Human IL-1 α	192
3233100	Human IL-1 β	192
3233200	Human IL-2	192
3233300	Human IL-4	192
3233400	Human IL-5	192
3233500	Human IL-6	192
3233600	Human IL-10	192
3234100	Human IL-15	192
3233700	Human GM-CSF	192
3233800	Human TNF- α	192
3233900	Human IFN- γ	192
3234000	Human RANTES	192

Immunodiffusion Products

Human Subclass RID Kits

Ideal for:

- The evaluation of IgG subclasses relating to immunodeficiency disease.*
- The role of IgG₄ in non-IgE allergic reactions.*
- The implication of specific subclass deficiency in autoimmune disease and chronic respiratory infections.*
- Antibody response to bacterial polysaccharide and alpha toxin protein antigen resulting from combined IgG₂ and IgG₄ deficiency.*

Monoclonal Human Subclass Kits

These kits can be used for serum or other biological fluids. They combine the high sensitivity of monoclonal antibodies with the reliable and easy radial immunodiffusion technique. They compare very well with the polyclonal RID kits and provide excellent results. The combi-kit contains one plate of each subclass and individual kits contain 2 plates of each subclass. All kits include a human serum calibrator, BSA diluent and complete instructions.

Cat. No.	Assay	Wells
645911	IgG ₁	2x17
645921	IgG ₂	2x17
645931	IgG ₃	2x17
645941	IgG ₄	2x17
645901	IgG _{1,2,3,4} Combi Kit	4x17

Polyclonal Human Subclass Kits

These assays offer unsurpassed ring definition and greater accuracy due to the use of superior monospecific antisera in combination with advanced gel formulation. They may be used for *In Vitro* diagnostic use.

Cat. No.	Assay	Wells
646701	IgG ₁	2x17
646711	IgG ₂	2x17
646721	IgG ₃	2x17
646731	IgG ₄	2x17
646741	IgG _{1,2,3,4} Combi Kit	4x17

Human Immunoglobulin RID Kits

These assays are useful diagnostic tools for the quantification of human immunoglobulins in serum and other biological fluids. Each kit contains three plates and four reference sera tested against WHO standard 67/97 dilutions.

Cat. No.	Assay	Wells
613011	IgA, Reg. Level	3x17
613021	IgA, Low Level	3x17
613031	IgG, Reg. Level	3x17
613041	IgG, Low Level	3x17
613071	IgM, Reg. Level	3x17
613061	IgM, Low Level	3x17

Animal Immunoglobulin and Protein RID Kits

These kits are for the quantitative determination of animal immunoglobulins and proteins, based on the timed diffusion method of single radial immunodiffusion. Each plate features 17 wells for specimen or reference sera. The kit contents include plates, reference sera and detailed instructions. Most kits for immunoglobulins require 18-24 hours. Please consult each insert for the appropriate time. These kits are stable for a minimum of one year when stored at 5°C.

Cat. No.	Assay	Wells
644741	Bovine IgA	3x17
644701	Bovine IgG, Low Level	3x17
644721	Bovine IgG, Reg. Level	3x17
644711	Bovine IgG ₁ , Low Level	3x17
644751	Bovine IgG ₁ , Reg. Level	3x17
644761	Bovine IgG ₂	3x17
644731	Bovine IgM	3x17
646271	Dog IgA	3x17
646251	Dog IgG	3x17
646261	Dog IgM	3x17
644851	Horse IgG	3x17
644861	Horse IgM	3x17
646651	Mouse IgA	2x17
646151	Mouse IgG	3x17
646601	Mouse IgG ₁	2x17
646611	Mouse IgG _{2a}	2x17
646621	Mouse IgG _{2b}	2x17
646631	Mouse IgG ₃	2x17
646661	Mouse IgG _{1,2a,2b,3}	4x17
646641	Mouse IgM	2x17
646001	Rabbit IgG	3x17
645991	Rat Albumin	3x17
646291	Rat IgA	2x17
646201	Rat IgG	3x17
646211	Rat IgG ₁	3x17
646221	Rat IgG _{2a}	2x17
646231	Rat IgG _{2b}	2x17
646241	Rat IgG _{2c}	2x17
646281	Rat IgM	2x17
645971	Rat Transferrin	3x17

Immunohistology Kits

ImmuMark™ Universal Kits

These basic detection systems are designed as research tools for locating and identifying tissue antigens using the streptavidin-biotin immunostaining method. They are available for use with the three main species of primary antibodies: mouse, rabbit and goat. They utilize the most popular enzyme detection methods: HRP and AP. Each kit contains complete instructions, ready-to-use biotinylated link antibody with blocking reagent incorporated, enzyme labeled SP for use with the primary antibody of choice.

Cat. No.	Assay Type	Enzyme	Tests
689012	Mouse Monoclonal	AP	150
689011			500
689312	Mouse Monoclonal	HRP	150
689311			500
689022	Rabbit Polyclonal	AP	150
689021			500
689322	Rabbit Polyclonal	HRP	150
689321			500
689032	Goat Polyclonal	AP	150
689031			500
689332	Goat Polyclonal	HRP	150
689331			500
689041	Combi Species	AP	500
689341	Combi Species	HRP	500

CATALOG NUMBER

11380
0-5°C
IMMUNOPEROXIDASE DETECTION KIT For Mouse Antibodies 4x15 tests
This detection kit includes horseradish peroxidase (HRP) labeled secondary antibodies and all other reagents required for indirect peroxidase immunostaining.

11381
0-5°C
IMMUNOPEROXIDASE DETECTION KIT For Rabbit Antibodies 4x15 tests
This detection kit includes horseradish peroxidase (HRP) labeled secondary antibodies and all other reagents required for indirect peroxidase immunostaining.

11382
0-5°C
BIOTIN-STREPTAVIDIN IMMUNODETECTION KIT For Mouse Antibodies 4x15 tests
This detection kit includes biotin labeled secondary antibodies, HRP-streptavidin conjugate, and all other reagents needed for "ultra-sensitive", labeled avidin, biotinylated antibody peroxidase immunostaining.

11383
0-5°C
BIOTIN-STREPTAVIDIN IMMUNODETECTION KIT For Rabbit Antibodies 4x15 tests
This detection kit includes biotin labeled secondary antibodies, HRP-streptavidin conjugate, and all other reagents needed for "ultra-sensitive", labeled avidin, biotinylated antibody peroxidase immunostaining.

Animal Monoclonal Typing Kit

These kits incorporate the Ouchterlony technique with a unique design allowing for determination of the immunoglobulin class of mouse or rat monoclonal antibodies in tissue culture supernatants. Detection of monoclonal antibodies occurs at 1-20 µg/ml, a range typical of culture supernatants. The antisera have been adsorbed to remove reactivity with fetal bovine serum proteins and NS-1 cells.

Cat. No.	Assay Type	Determinations
646901	Mouse	32
646911	Rat	32

Accessories and Reagents

Cat. No.	Description	Quantity
421751	Cutter and Template Kit	1 each
642751	I.D. Discs	24/pk
55831	I.D. Discs	20/pk
642761	I.D. Discs w/ Trypan Blue	24/pk
55830	I.D. Discs w/Trypan Blue	20/pk
642771	Microouchterlony Plates	5/pk
642781	Ouchterlony Typing Plates	5/pk
642791	I.D. Plates, Gel-filled	5/pk
421501	I.D. Plates, Calibrated	12/pk
421651	I.D. Plates, Uncalibrated	12/pk
421661	I.D. Plates, Quad	6/pk
421753	Punch Cutter, 3 mm	1 each
421754	Punch Cutter, 4 mm	1 each
421755	Punch Cutter, 5 mm	1 each
952014	Agarose, I.D. Grade	50 g
952012		250 g

CATALOG NUMBER

320251
-20°C
CHONDROITIN SULFATE DETECTION KIT #1 1 Kit
The kit contents include:
Chondroitinase ABC Lyase- 5 units
Chondroitinase AC II lyase- 5 units
Chondro-4-Sulfatase- 1.6 units
Chondro-6-Sulfatase- 2.5 units

320261
-20°C
CHONDROITIN SULFATE DETECTION KIT #2 (ABC+AC) 1 Kit
The kit contents include:
Chondroitinase ABC Lyase- 2 x 5 units
Chondroitinase AC II Lyase- 2 x 5 units