

Antigen-antibody reaction amplification reagent IMMUNO SHOT Series

IMMUNO SHOT and protein-free IMMUNO SHOT Platinum are antibody diluent solutions greatly improve antigen detection in Western Blots (WB), ELISAs and other immunoassays.

IMMUNO SHOT series contain 2 types of polymers (Signal enhancement polymer and non-specific reaction reducing polymer which improves problems such as weak signals and high backgrounds during WB.)

Simply use IMMUNO SHOT as an antibody diluent and solve sensitivity and background problems with IMMUNO SHOT!

Common Features

- High signal with low background
- Higher signals can save amount of antibody and reaction time
- Use for WB, ELISA and various assay systems using antibody-antigen reactions
- Suitable for assays using AP and HRP, as it doesn't affect activities of these enzymes
- Easy-to-use.

IMMUNO SHOT Classic

Features

- Strong Signal
- Ready- to-use
– 2-solution format
- Suitable for various kinds of assay systems using antibody-antigen reactions



How to Use

IMMUNO SHOT consists of Reagent 1 & Reagent 2. Use Reagent 1 for the dilution of the primary antibody and Reagent 2 for the secondary antibody.

IMMUNO SHOT Platinum

Features

- Contains all chemical components & no proteins
- Suitable for detection of proteins and phosphoproteins
- An over 10-fold stronger signal can be obtained
- Ready-to-use.
– One solution format

How to Use

Use as antibody diluent.

To create a 100% protein-free assay system, we recommend usage of Blocking Reagent for WB/ELISA Chemically Reagent. (Please see options belows)

Options ■ Blocking Reagent – Chemically Defined

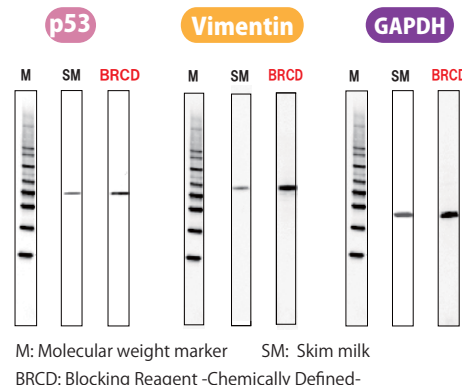
100% chemical components. Great for WB and antibody-detecting ELISA. Recommended usage with IMMUNO SHOT Platinum.

Skim milk which is generally used for blocking is inexpensive, and has high masking ability. However, it sometimes masks the target antigen as well.

Blocking Reagent chemically defined is optimized for each application which inhibit high background. Moreover, it contains only chemical components and no protein. Thus, a higher S/N ratio can be obtained with IMMUNO SHOT for phosphoprotein detection.

Features

- 100% chemical components, Ready-to-Use blocking reagent
- 2 kinds of reagents which are specialized for WB and ELISA usage
- WB usage: Performs higher sensibility than using skim milk
- ELISA usage: Long term storage is possible when dried as a precoat plate



Data provided by Dr. Hironori Kato, Kyoto University, Graduate School of Biostudies, Negishi laboratory

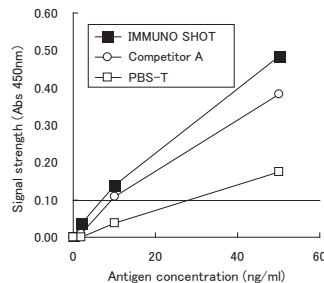


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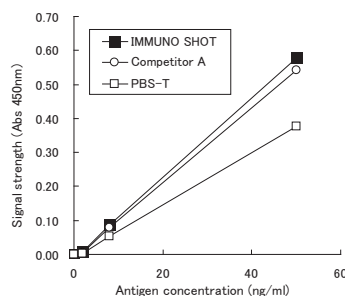
IMMUNO SHOT Classic Example

ELISA assay system: sandwich ELISA using HBsAg S antigen activity detection antibody
Results: IMMUNO SHOT showed much higher signal strength than using PBS-T, in any detection system such as using both primary and secondary antibody or the assay system using only primary antibody. IMMUNO SHOT showed superior signal strength than competitor A.

Detection system using primary antibody and secondary antibody



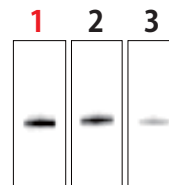
Detection system only using primary antibody



IMMUNO SHOT Platinum Example

Experimental Example 1

Detection of phosphoprotein (phospho- EGFR)

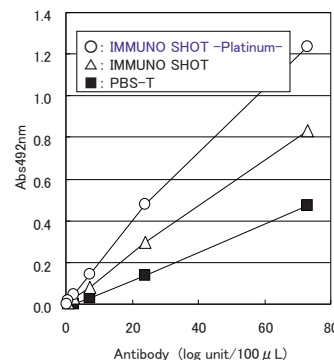


1. IMMUNO SHOT -Platinum-
2. IMMUNO SHOT
3. TBS-T

Sample: A431 Cell Lysate
Blocking: Blocking Reagent -Chemically Defined-
Primary antibody: Anti-pEGFR, rabbit
Secondary antibody: Anti-rabbit, goat-HRP

Experimental Example 2

Antibody Detection ELISA



Capture antigen: *Leishmania* antigen
Blocking: Blocking Reagent -Chemically Defined-
Antibody: infected serum
Detection: Anti-human IgG-HRP

Product Information

Description	Cat. No.	Size
IMMUNO SHOT Reagent 1&2	CSR-IS-012-100	1 kit [100 ml x 2 bottles]
	CSR-IS-012-250	1 kit [250 ml x 2 bottles]
IMMUNO SHOT Reagent 1	CSR-IS-001-250	250 ml
IMMUNO SHOT Reagent 2	CSR-IS-002-250	250 ml

Blocking Reagent

Description	Cat.No.	Size
IMMUNO SHOT -Platinum-	CSR-IS-P-250	250 ml
	CSR-IS-P-500	500 ml
Description	Cat.No.	Size
Blocking Reagent for WB -Chemically Defined-	CSR-IS-CD-500W	500 ml
Blocking Reagent for ELISA -Chemically Defined-	CSR-IS-CD-500E	500 ml

IMMUNO SHOT for immunostaining

We have 3 types of IMMUNO SHOTs for immunostaining.
For details, please visit our web site!

Fine To keep a low background

Mild Blended version of Fine and Strong

Strong To obtain strong signals

Comparison example



Staining of Cdk4 in mouse brain tissue

IMMUNO SHOT immunostaining

Description	Cat. No.	Size
IMMUNO SHOT immunostaining, Fine	CSR-IS-F-20	20 ml
IMMUNO SHOT immunostaining, Mild	CSR-IS-M-20	20 ml
IMMUNO SHOT immunostaining, Strong	CSR-IS-S-20	20 ml
IMMUNO SHOT immunostaining, Trial	CSR-IS-SMF-10	1 set (3 bottles, 10 ml each)



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