NEW

MBL
For Research Use Only

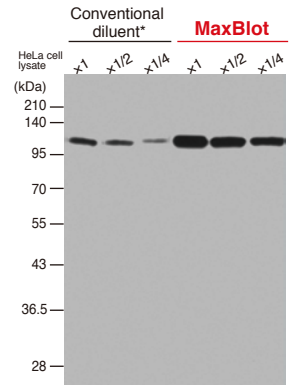
MaxBlot

Signal Enhancer for WB and ELISA
Resolving Problems of Weak Signals!

- Highlighting the antigen-specific signal in WB and ELISA with a high S/N ratio
- Ready-to-use antibody diluent, optimized for antigen-antibody reactions
- MBL offers two formulae for primary and secondary antibodies.

Tris-buffered saline (TBS) and phosphate-buffered-saline (PBS) are sometimes inadequate as antibody diluents, resulting in weak signals in Western blotting (WB) and enzyme-linked immunosorbent assay (ELISA). MBL optimized the the composition of the antibody diluent suitable for antigen-antibody reactions and now offers MaxBlot that can improve the S/N ratio (e.g., 10-fold in case of low affinity antibodies).
MaxBlot Solution 1 and 2 are good for primary and secondary antibodies, respectively, and improve the sensitivity and specificity of antibodies.

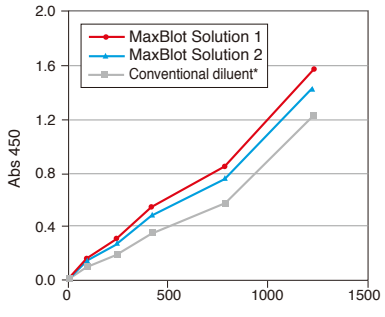
Western blotting



Sample
HeLa cell lysate
↓
Primary antibody
anti-Drebrin (Code No. D029-3)
(× 10,000) **MaxBlot Solution 1**
↓
Secondary antibody
anti-Mouse-HRP (Code No. 330)
(× 10,000) **MaxBlot Solution 2**
↓
Detection
ECL plus (10 sec)

* 1% Skim milk/PBS

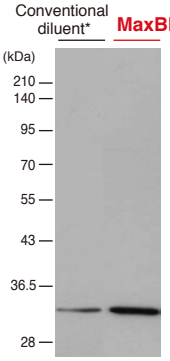
ELISA



* 1% BSA/PBS

Anti-Insulin antibody immobilised ELISA plate
↓
Sample
↓
Antibody
anti-Insulin-HRP
MaxBlot Solution 1 or 2
↓
Detection
with TMB

Western blotting (HRP-DirecT)



Sample
Myc-tag protein expressed 293T cell lysate
↓
Antibody
anti-Myc-Tag HRP-DirecT (Code No. M047-7)
(× 5,000) **MaxBlot Solution 2**
↓
Detection
ECL plus (10 sec)

* 1% Skim milk/PBS

MBL MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.
https://ruo.mbl.co.jp/

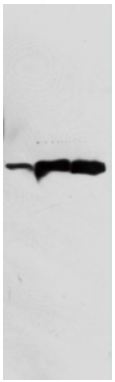
Comparison with other company's product

MaxBlot can suppress non-specific antigen-antibody reactions and enhance the antigen band with a high S/N ratio.

1. Conventional diluent (1% Skim Milk/PBS)
2. MaxBlot
3. Product A of other company

Anti-β-Actin polyclonal antibody

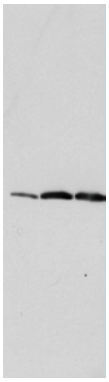
1 2 3



Sample
PC12 cell lysate
↓
Primary antibody
anti-β-Actin (Code No. PM053)
(× 1,000)
↓
Secondary antibody
anti-Rabbit-HRP (Code No. 330)
(× 10,000)
↓
Detection
ECL plus (1 min)

Anti-GAPDH monoclonal antibody

1 2 3



Sample
PC12 cell lysate
↓
Primary antibody
anti-GAPDH (Code No. M171-3)
(× 1,000)
↓
Secondary antibody
anti-Mouse-HRP (Code No. 458)
(× 10,000)
↓
Detection
ECL plus (1 min)

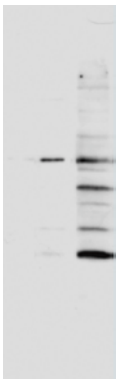
Anti-p62/SQSTM1 polyclonal antibody

1 2 3

Sample
293T cell lysate
↓
Primary antibody
anti-p62/SQSTM1 (Code No. PM045)
(× 1,000)
↓
Secondary antibody
anti-Mouse-HRP (Code No. 330)
(× 10,000)
↓
Detection
ECL plus (3 min)

Anti-phosphorylated GFAP[Ser13] monoclonal antibody

1 2 3



Sample
293T cell lysate
↓
Primary antibody
anti-phosphorylated GFAP[Ser13]
(Code No. D121-3)
(× 1,000)
↓
Secondary antibody
anti-Mouse-HRP (Code No. 330)
(× 10,000)
↓
Detection
ECL plus (3 min)

Notes on the usage

1) Quantities of samples and antibodies and the time required for signal development need to be adjusted because MaxBlot enhances signals from antigen-antibody complexes.
2) In some cases, Solution 2 may work more effective with primary antibodies.

Products

Code No.	Product Name	Size
8455	MaxBlot Solution 1&2	each 250 mL
8455-100	MaxBlot Solution 1	250 mL
8455-200	MaxBlot Solution 2	250 mL

Please visit our website for HRP-DirecT and antibodies used in this leaflet.

https://ruo.mbl.co.jp (Japanese Only)
http://www.mblintl.com

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