Anti-MMP7 Antibody [Clone 1-4]

Catalog Number	LDG0042YA
Package	100 µg / Customized package

For full product information, images and publications, please visit our website.

Overview

Description

Matrix metalloproteinases (MMPs) is a group of proteolytic enzymes that targets many extracellular proteins including other proteases, growth factors, cell surface receptors and adhesion molecules, plays an important role in many physiological and pathological processes. Matrix metalloproteinase-7 (MMP-7；matrilysin-1；PUMP-1), a member of the MMP family, can degrade a large series of proteins of the extracellular matrix and other substrates. MMP-7 is an important factor for normal tissue remodeling and wound healing and is associated with the occurrence and development of various tumors, thus may be a tumor biomarker and therapeutic target.

Product Note

Recommended dilution factor:
ELISA: 1:5000-20000
WB: 1:1000-10000
IFA: 1:200-1000
FACS: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

Specifications

Host	**Clonality**
Mouse	Monoclonal
Isotype	**Clone Name**
IgG2a	clone 1-4
Immunogen	**Reactivity**
MMP7	Human

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Application

ELISA, WB, IFA, FACS

Conjugation

Unconjugated

Concentration

1 mg/mL

Storage Buffer

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

Specificity

Pro-MMP7 & mature-MMP7

Form

Liquid

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.
Suggestion: Divide antibody into several vials. Keep only vials for usage at 2-8°C.

Image

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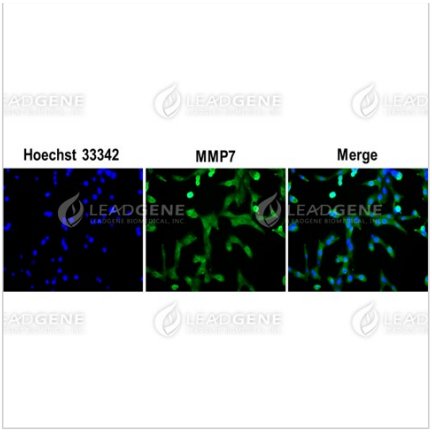
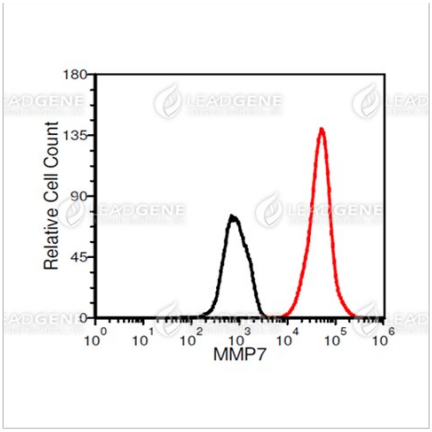
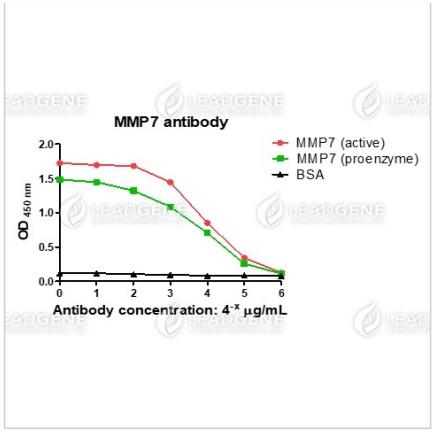


Immunofluorescence analysis of Anti-MMP7 Antibody [Clone 1-4]
A549 cells were fixed in 4% PFA, permeabilized with PBS containing 0.1%
Triton X-100. Cells were stained with mouse anti-MMP7 monoclonal antibody
(1:200) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488,
1:400, green) and cell nuclei were stained with Hoechst 33342 (Blue).



FACS analysis of Anti-MMP7 Antibody [Clone 1-4]
A549 cells were stained with mouse anti-MMP7 monoclonal antibody at 2 µg/ml (red) and without antibody control (black).



ELISA titration of Anti-MMP7 Antibody [Clone 1-4]
Titration curve of anti-MMP7 antibody in ELISA. Red: MMP7 (active); Green: MMP7 (proenzyme); Black: BSA (negative control).

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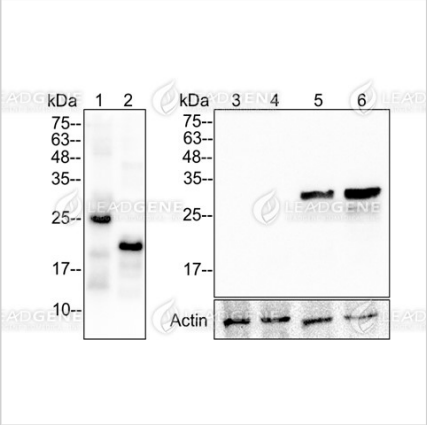

Western blotting analysis of Anti-MMP7 Antibody [Clone 1-4] Recombinant proteins and LPS treat MMP7 transfected 293T cell lysates were stained with mouse anti-MMP7 (1-4) monoclonal antibody at 1:5000 dilution. Lane 1: recombinant MMP7 (proenzyme) protein (50 ng). Lane 2: recombinant MMP7 (active) protein (50 ng). Lane 3: 293T cell lysates (30 µg). Lane 4: lysates from LPS treat 293T cells (30 µg). Lane 5: MMP7 transfected 293T cell lysates (30 µg). Lane 6: lysates from LPS treat MMP7 transfected 293T cell lysates (30 µg). The expression of Actin was as the internal control.

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