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TNFRSF7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TNFRSF7.
Catalog # AT4282a

Specification

TNFRSF7 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P26842
Other Accession	BC012160
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b kappa**
Calculated MW	**29137**

TNFRSF7 Antibody (monoclonal) (M01) - Additional Information

Gene ID 939

Other Names
CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, CD27, TNFRSF7

Target/Specificity
TNFRSF7 (AAH12160, 1 a.a. ~ 260 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
TNFRSF7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

TNFRSF7 Antibody (monoclonal) (M01) - Protocols

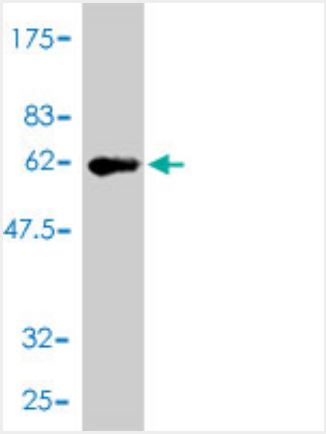
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

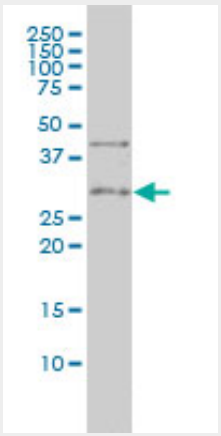
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

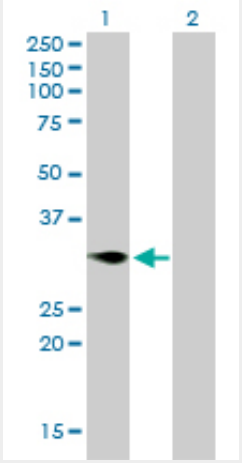
TNFRSF7 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (54.34 KDa) .



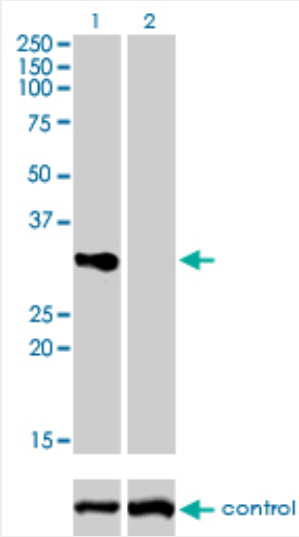
TNFRSF7 monoclonal antibody (M01), clone 1E2-A3 Western Blot analysis of TNFRSF7 expression in Jurkat ((Cat # AT4282a)



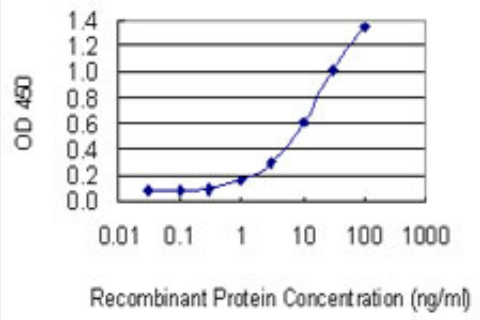
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Western Blot analysis of TNFRSF7 expression in transfected 293T cell line by TNFRSF7 monoclonal antibody (M01), clone 1E2-A3.

Lane 1: TNFRSF7 transfected lysate(29.2 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of TNFRSF7 over-expressed 293 cell line, cotransfected with TNFRSF7 Validated Chimera RNAi ((Cat # AT4282a)



Detection limit for recombinant GST tagged CD27 is 0.3 ng/ml as a capture antibody.

TNFRSF7 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

TNFRSF7 Antibody (monoclonal) (M01) - References

Possible recruitment of peripheral blood CXCR3+ CD27+ CD19+ B cells to the liver of chronic hepatitis C patients. Mizuochi T, et al. J Interferon Cytokine Res, 2010 Apr. PMID 20377416.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Optimal stimulation for CD70 induction on human monocyte-derived dendritic cells and the importance of CD70 in naive CD4(+) T-cell differentiation.

Arimoto-Miyamoto K, et al. Immunology, 2010 May. PMID 20201989.CD40-activated B cells from patients with systemic lupus erythematosus can be modulated by therapeutic immunoglobulins in vitro. N?ron S, et al. Arch Immunol Ther Exp (Warsz), 2009 Nov-Dec. PMID 19866343.Defining origins of malignant B cells: a new circulating normal human IgM(+)D(+) B-cell subset lacking CD27 expression and displaying somatically mutated IGHV genes as a relevant memory population. Weston-Bell N, et al. Leukemia, 2009 Nov. PMID 19776762.