

**TNFRSF7 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant TNFRSF7.****Catalog # AT4282a****Specification**

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**TNFRSF7 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P26842</a>
Other Accession	<a href="#">BC012160</a>
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

E~~N/A

**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.

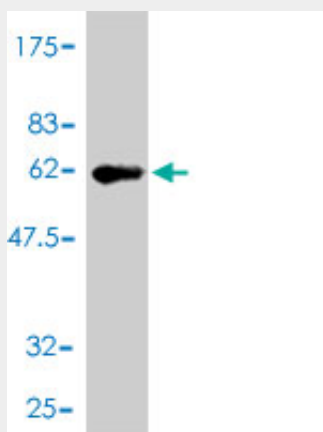
**TNFRSF7 Antibody (monoclonal) (M01) - Protocols**

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

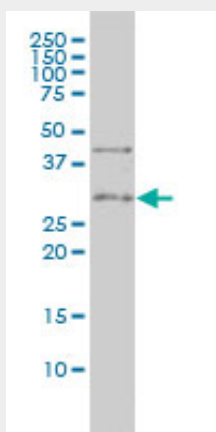
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

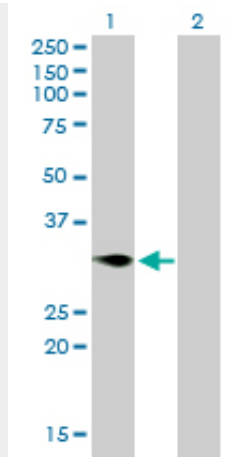
#### TNFRSF7 Antibody (monoclonal) (M01) - Images



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



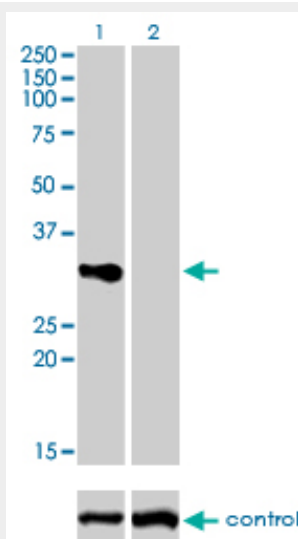
TNFRSF7 monoclonal antibody (M01), clone 1E2-A3 Western Blot analysis of TNFRSF7 expression in Jurkat ( Cat # AT4282a )



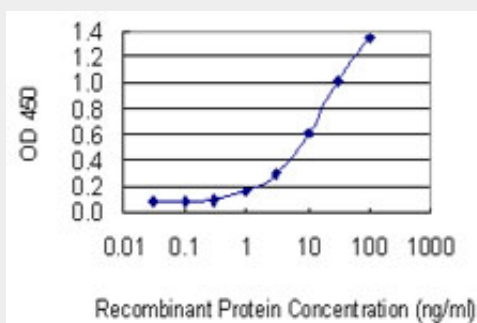
Western Blot analysis of TNFRSF7 expression in transfected 293T cell line by TNFRSF7 monoclonal antibody (M01), clone 1E2-A3.

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.