

# TNFRSF7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TNFRSF7.

Catalog # AT4282a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P26842</a>
<b>Other Accession</b>	<a href="#">BC012160</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b kappa
<b>Clone Names</b>	1E2-A3
<b>Calculated MW</b>	29137

## Additional Information

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<b>Gene ID</b>	939
<b>Other Names</b>	CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, CD27, TNFRSF7
<b>Target/Specificity</b>	TNFRSF7 (AAH12160, 1 a.a. ~ 260 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	TNFRSF7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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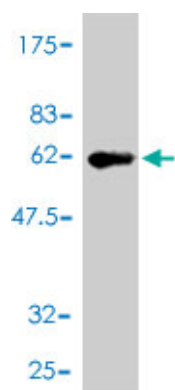
The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals 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.

## References

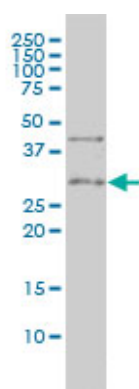
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Possible recruitment of peripheral blood CXCR3+ CD27+ CD19+ B cells to the liver of chronic hepatitis C patients. Mizuochi T, et al. J Interferon Cytokine Res, 2010 Apr. PMID 20377416. New genetic associations detected in a host response study to hepatitis 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.

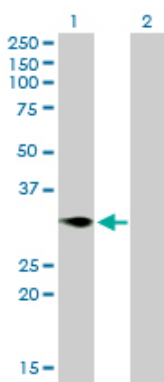
## Images



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



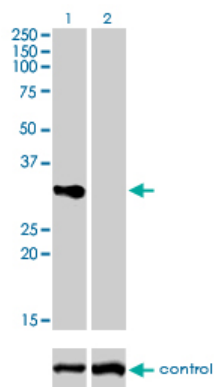
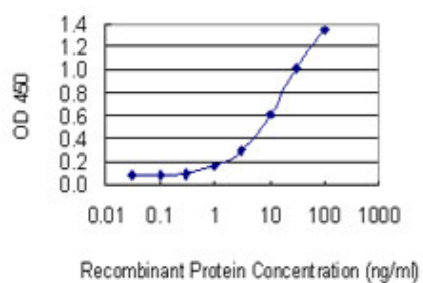
TNFRSF7 monoclonal antibody (M01), clone 1E2-A3  
Western Blot analysis of TNFRSF7 expression in Jurkat (Cat # AT4282a )



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.

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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.