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TNFRSF7 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	P26842
Other Accession	BC012160
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b kappa
Clone Names	1E2-A3
Calculated MW	29137

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.

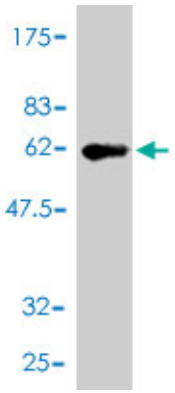
Background

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.

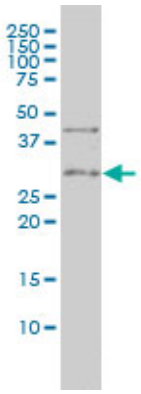
References

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.

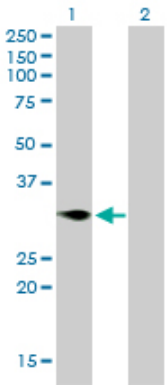
Images



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



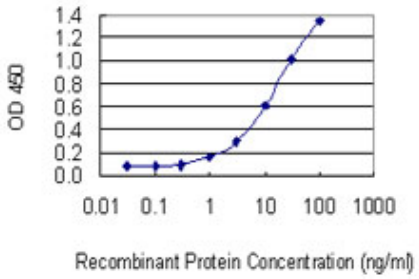
TNFRSF7 monoclonal antibody (M01), clone 1E2-A3 Western Blot analysis of TNFRSF7 expression in Jurkat ((Cat # AT4282a)

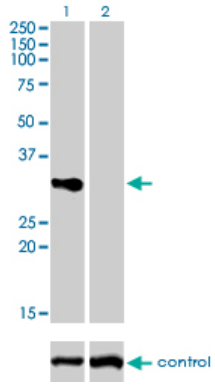


Western Blot analysis of TNFRSF7 expression in transfected 293T cell line by TNFRSF7 monoclonal antibody (M01), clone 1E2-A3.

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'.