10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD48 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CD48.
Catalog # AT1441a

Product Information

Application	WB, IHC, E
Primary Accession	P09326
Other Accession	BC030224
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	3B8-2C2
Calculated MW	27683

Additional Information

Gene ID	962
Other Names	CD48 antigen, B-lymphocyte activation marker BLAST-1, BCM1 surface antigen, Leukocyte antigen MEM-102, SLAM family member 2, SLAMF2, Signaling lymphocytic activation molecule 2, TCT1, CD48, CD48, BCM1, BLAST1
Target/Specificity	CD48 (AAH30224, 1 a.a. ~ 169 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	CD48 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

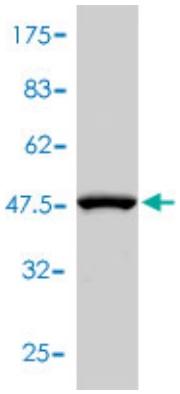
BLAST1 is the designation used for an activation-associated cell surface glycoprotein of 40 to 45 kD expressed primarily in mitogen-stimulated human lymphocytes. The protein sequence predicted by the cDNA encoding BLAST1 indicates that BLAST1 is a member of the immunoglobulin supergene family. Yokoyama (1991) identified the BLAST1 activation/adhesion molecule as CD48.

References

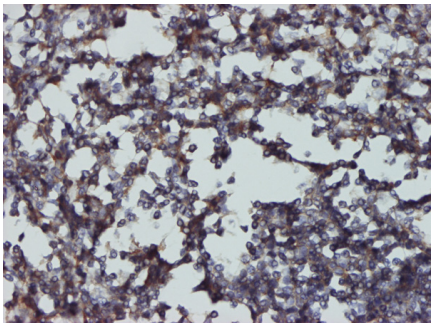
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.A Large-scale genetic association study of esophageal adenocarcinoma risk. Liu CY, et al. Carcinogenesis, 2010 Jul. PMID 20453000.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.The association of MHC class I proteins with the 2B4 receptor inhibits self-killing of human NK cells. Betser-Cohen G, et al. J Immunol, 2010 Mar 15. PMID 20164429.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

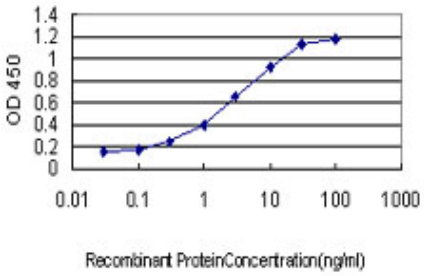
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44.33 KDa) .



Immunoperoxidase of monoclonal antibody to CD48 on formalin-fixed paraffin-embedded human tonsil tissue.[antibody concentration 2 ug/ml]



Detection limit for recombinant GST tagged CD48 is approximately 0.1ng/ml as a capture antibody.

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