

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

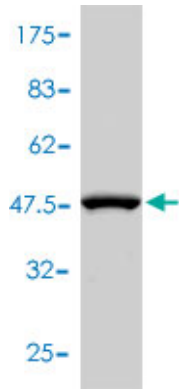
BLAST1 is the designation used for an activation-associated cell surface glycoprotein of 40 to 45 kD expressed primarily in mitogen-stimulated human lymphocytes. The protein sequence predicted by the cDNA encoding BLAST1 indicates that BLAST1 is a member of the immunoglobulin supergene family. Yokoyama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

References

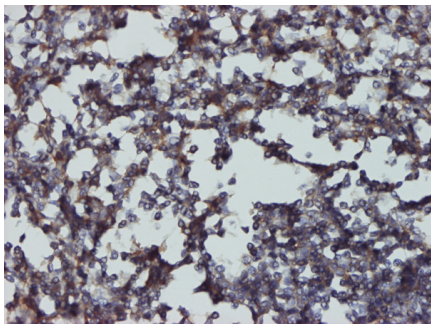
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes

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.

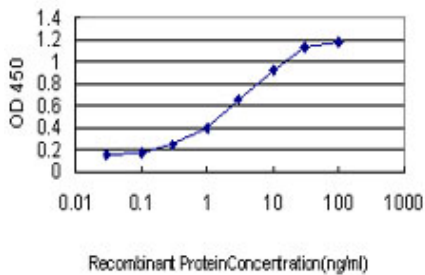
Images



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'.