

CD48 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CD48.

Catalog # AT1441a

Specification

CD48 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	P09326
Other Accession	BC030224
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	27683

CD48 Antibody (monoclonal) (M01) - 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

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.

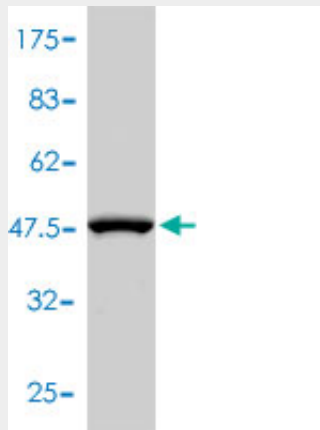
CD48 Antibody (monoclonal) (M01) - Protocols

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

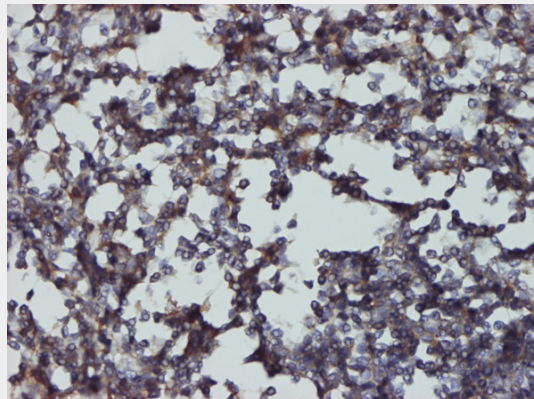
- [Western Blot](#)
- [Blocking Peptides](#)

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

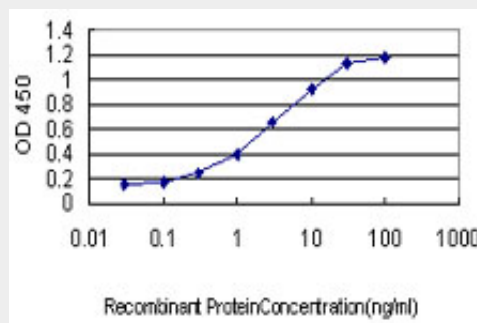
CD48 Antibody (monoclonal) (M01) - Images



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.

CD48 Antibody (monoclonal) (M01) - 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.

CD48 Antibody (monoclonal) (M01) - 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.