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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

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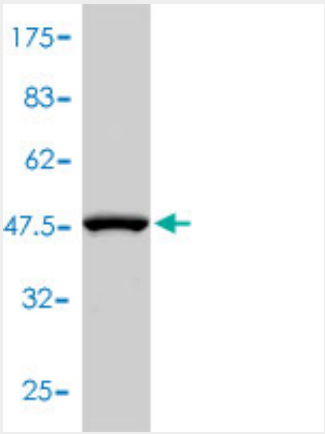
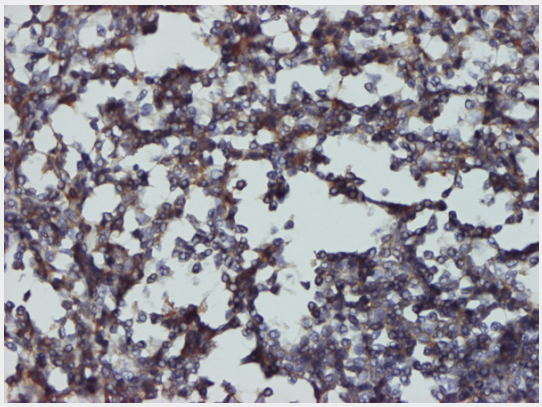
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

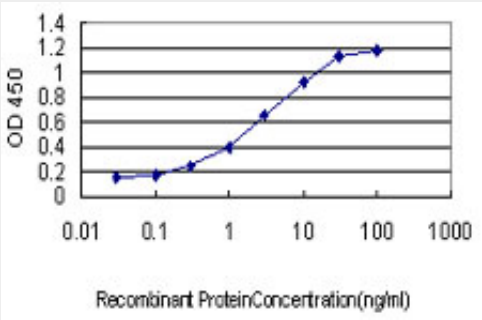
CD48 Antibody (monoclonal) (M01) - Images



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

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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 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.