

Datasheet

CD48 monoclonal antibody, clone MEM-102

Catalog Number: MAB0889

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD48.

Clone Name: MEM-102

Immunogen: Native purified CD48 from Raji human Burkitt's lymphoma cell line.

Host: Mouse

Theoretical MW (kDa): 40-47

Reactivity: Human, Primates

Applications: Flow Cyt, IHC-P, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD48 antigen (Blast-1), a 40-47 KDa GPI-anchored membrane protein (immunoglobulin supergene family) widely expressed on hematopoietic cells; it is negative on granulocytes, platelets and erythrocytes.

Form: Liquid

Isotype: IgG1

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 962

Gene Symbol: CD48

Gene Alias: BCM1, BLAST, BLAST1, MEM-102, SLAMF2, hCD48, mCD48

Gene Summary: 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.[supplied by OMIM]

References:

1. Extended co-expression of inhibitory receptors by human CD8 T-cells depending on differentiation, antigen-specificity and anatomical localization. Baitsch L, Legat A, Barba L, Fuertes Marraco SA, Rivals JP, Baumgaertner P, Christiansen-Jucht C, Bouzourene H, Rimoldi D, Pircher H, Rufer N, Matter M, Michielin O, Speiser DE. PLoS One. 2012;7(2):e30852. Epub 2012 Feb 8.