

Product datasheet for **SM1121P**

CD48 Mouse Monoclonal Antibody [Clone ID: MEM-102]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-102
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. Western Blot. Immunohistochemistry on frozen sections: 1/50 - 1/100 Immunohistochemistry on paraffin sections: This product does not require protein digestion pre-treatment of paraffin sections; This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Recommended Positive Control Tissue: Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises to the 45kD leucocyte surface glycoprotein specific for the CD48 antigen which is closely related to the activation antigen, Blast-1. It is useful in the detection of CD48 positive cells and may be used in studies to differentiate haemopoietic tumours, sarcomas and melanomas.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch
Gene Name:	CD48 molecule



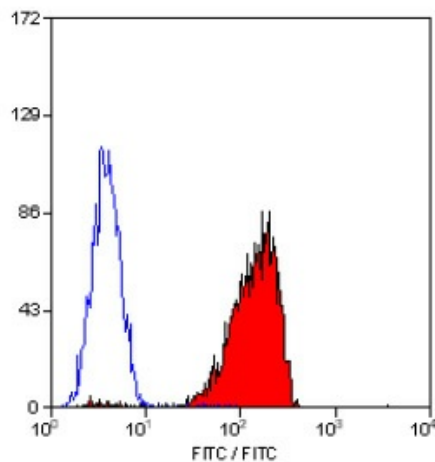
[View online »](#)

Database Link: [Entrez Gene 962 Human P09326](#)

Background: CD48 is a glycosyl phosphatidyl inositol (GPI) anchored cell surface protein also known as Blast1, HuLy m3, BCM1 (in mouse), and OX45 (in rat). CD48 is strongly expressed on lymphocytes and monocytes and weakly on granulocytes but is absent on platelets, fibroblasts, epithelium and endothelium. CD48 is one of the markers for detecting the defects of GPI anchoring structure on patients with paroxysmal nocturnal hemoglobinuria (PNH) and serves as a low affinity ligand for CD2. The CD48 antigen is closely related to the activation antigen, Blast 1.

Synonyms: BCM1, BLAST1, MEM-102, TCT.1

Product images:



Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD48 (SM1121P).