

Product datasheet for **SM036R**

Cd48 Rat Monoclonal Antibody [Clone ID: OX-78]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-78
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant soluble mouse CD48. Spleen cells from immunised AO Rats immunised were fused with cells from the Rat Y3 myeloma cell line.
Specificity:	This antibody labels thymocytes, B and T cells and macrophages. CD48 is a ligand for the mouse CD2 cell surface antigen.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1 ml distilled water
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD48 antigen
Database Link:	Entrez Gene 12506 Mouse P18181



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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