

Product datasheet for **SM036PS**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-78
Applications:	FC
Recommended Dilution:	Flow Cytometry.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant soluble mouse CD48. Spleen cells from immunised AO Rats were fused with cells from the Rat Y3 myeloma cell line.
Specificity:	This antibody recognises CD48, a ligand for CD2 cell surface antigen . MRC OX-78 labels thymocytes, B and T cells and macrophages.
Formulation:	State: Purified State: Liquid purified IgG fraction from tissue culture supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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 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