

SM2180A**Monoclonal Antibody to CD4 (Domain 1) - Azide Free**

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	CD4 is a 55kD glycoprotein expressed by T helper cells, monocytes and macrophages.
Uniprot ID:	P05540
NCBI:	10116
GeneID:	24932
Host / Isotype:	Mouse / IgG2a
Clone:	OX-38
Immunogen:	MLR generated rat T cells. Spleen cells from immunised mice were fused with cells of the mouse NS1 myeloma cell line
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4
Applications:	Flow Cytometry: 1/100 - 1/200; Immunohistochemistry on frozen sections. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD4 cell surface antigen. Clone MRC OX-38 competes for binding with clone W3/25. Species: Rat. Other species not tested.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Jefferies, W.A. et al. (1985) Authentic T helper CD4 (W3/25) antigen on rat peritoneal macrophages. J. Exp. Med. 162:117-127. 2. Barclay AN. The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. Immunology. 1981 Apr;42(4):593-600. PubMed PMID: 7016746. 3. Thomas ML, Green JR. Molecular nature of the W3/25 and MRC OX-8 marker antigens for rat T lymphocytes: comparisons with mouse and human antigens. Eur J Immunol. 1983 Oct;13(10):855-8. PubMed PMID: 6416869. 4. Hall, B.M. et al. (1998) Anti-CD4 Monoclonal Antibody- Induced Tolerance to MHC-Incompatible Cardiac Allografts Maintained by CD4+ Suppressor T cells that are not Dependent upon IL-4.

Pictures:

SM2180A staining of rat splenocytes.

