

SM2271P**Monoclonal Antibody to CD4 - Purified**

Alternate names:	T-Cell Surface Antigen T4/Leu-3, T-cell Surface Glycoprotein CD4, T4/Leu-3
Quantity:	0.25 mg
Concentration:	1.0 mg/ml
Background:	CD4 is shown to be expressed by thymocytes, splenocytes and peripheral lymphoid cells. Since the majority of avian immune studies have been carried out on chickens, relatively little is known about the immune system of ducks, though there is a resemblance between the main lymphoid organs, the spleen, thymus and bursa of Fabricius. At the cellular level, studies have shown that like mammalian T cells, duck lymphocytes are responsive to phytohaemagglutinin (PHA), and all cells reacting with clone Du CD4-2 have been identified as CD3+ T cells. (1)
Uniprot ID:	Q50EU7
NCBI:	8839
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	Du CD4-2
Immunogen:	293T cells expressing Pekin duck CD4. Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 mouse myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS containing 0.09% Sodium Azide as preservative.
Applications:	Flow Cytometry. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD4. Clone Du CD4-2 can be used to identify duck T helper cells. Species: Duck. Does not react with Chicken. Other species not tested.
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. Shelf life: one year from despatch.
General Readings:	1. Kothlow S, Mannes NK, Schaerer B, Rebeski DE, Kaspers B, Schultz U. Characterization of duck leucocytes by monoclonal antibodies. Dev Comp Immunol. 2005;29(8):733-48. Epub 2005 Feb 8. PubMed PMID: 15854685. 2. Higgins DA, Teoh CS. Duck lymphocytes. II. Culture conditions for optimum transformation response to phytohaemagglutinin. J Immunol Methods. 1988 Jan

