

Product datasheet for **SM2272P**

CD8B Mouse Monoclonal Antibody [Clone ID: Du CD8-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Du CD8-1
Applications:	FC, IP
Recommended Dilution:	Flow Cytometry. Immunoprecipitation.
Reactivity:	Duck
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	293T cells expressing Pekin Duck CD8 alpha. Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 mouse myeloma cell line.
Specificity:	This antibody recognises CD8 alpha. Double-staining with clone Du CD8-1 and duck IgY light chain clone 14A3 (product code SM2274P), revealed the presence of a CD8 ^{high} /14A3 ⁻ cytotoxic T cell population and a CD8 ^{low} /14A3 ⁺ B cell population in duck spleen and also revealed a high percentage of CD8 ⁺ /14A3 ⁺ cells in duck bursa. (1)
Formulation:	PBS containing 0.09% Sodium Azide as preservative. 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:	CD8b molecule
Database Link:	Entrez Gene 396175 Chicken Q90769



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Background: CD8 alpha shown to be expressed by thymocytes, splenocytes, peripheral lymphoid cells and the vast majority of bursal 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).

Synonyms: CD8B, CD8B1