

Product datasheet for **SM434PS**

CD4 Mouse Monoclonal Antibody [Clone ID: CC30]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CC30
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/25-1/200 diluted antibody to label 10 ⁶ cells in 100 µl. Immunoprecipitation. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections. Clone CC30 has been reported as being suitable for use on Formalin Dichromate (FD5) Fixed Paraffin Embedded tissue with amplification and antigen retrieval techniques (See Ref.3 for details).
Reactivity:	Bovine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bovine thymocytes. Spleen cells from an immunised mouse were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody precipitates a molecule of approximately 50kDa and is considered to be the Bovine homologue of Human CD4.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction 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.



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Database Link: [Entrez Gene 407098 Bovine A7YY52](#)

Background: The phenotype, tissue distribution and function of T-cells expressing the bovine CD4 antigen are similar to those in other species. However, expression on macrophages has not yet been detected.

Synonyms: T-cell surface antigen T4/Leu-3