

Product datasheet for **SM018B**

Cd19 Rat Monoclonal Antibody [Clone ID: 6D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6D5
Applications:	FC
Recommended Dilution:	Flow Cytometry: The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human K562 cell line transfected with murine CD19. Spleen cells from immunised rats were fused with cells of the P3X63.Ag8.653 myeloma cell line.
Specificity:	This antibody recognises the CD19 cell surface antigen, a 95kD glycoprotein expressed by B lymphocytes. Clone 6D5 has been shown to recognise the same epitope as clone ID3 in cross-competition assays.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Biotin
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:	CD19 antigen
Database Link:	Entrez Gene 12478 Mouse P25918



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Background: CD19 is a 95 kD glycoprotein, also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81 forms a molecular complex integral to B cell activation.

Synonyms: Leu-12, B-cell marker