

Monoclonal Antibody to CD19 - Biotin

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| Alternate names: | B-cell marker, B-lymphocyte surface antigen B4, Differentiation antigen CD19, Leu-12 |
| Catalog No.: | SM018B |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 mg/ml |
| 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. |
| Uniprot ID: | P25918 |
| NCBI: | NP_033974.2 |
| GeneID: | 12478 |
| Host / Isotype: | Rat / IgG2a |
| Clone: | 6D5 |
| 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. |
| Format: | State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: Biotin |
| Applications: | Flow Cytometry: The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| 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. Species: Mouse. 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. |

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

General References: 1. Krop, I. et al. (1996) Antibody to CD19 suppresses self-renewal of B-1 lymphocytes. Eur. J. Immunol. 26: 238.

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