

Monoclonal Antibody to CD79b - FITC

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| Alternate names: | B-Cell marker, B-cell antigen receptor complex-associated protein beta-chain, B-cell-specific glycoprotein B29, B29, IGB, Immunoglobulin-associated B29 protein |
| Catalog No.: | SM1873F |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 mg/ml |
| Background: | The CD79b molecule (also known as Ig beta and B29) associates with CD79a to form a heterodimer that is covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex. |
| Uniprot ID: | P40259 |
| NCBI: | NP_000617.1 |
| GeneID: | 974 |
| Host / Isotype: | Rat / IgG1 |
| Clone: | AT107-2 |
| Immunogen: | Peptide corresponding to an intracellular region of Human CD79b. Spleen cells from immunised rat were fused with cells of the mouse NS-1 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: FITC – Fluorescein Isothiocyanate Isomer 1 |
| Applications: | Flow Cytometry: Use 10 µl of Neat-1/5 diluted antibody to label 10e6 cells in 100 µl (Membrane permeabilisation is required). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognises an intracellular region of CD79b, a cell surface antigen expressed by B lymphocytes. Species: Human, Dog, Pig, Rat, Mouse. 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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General References: | 1. Dornan, D. et al. (2009) Therapeutic potential of an anti CD79b antibody-drug conjugate, anti-CD79b-vc-MMAE, for the treatment of nonHodgkin lymphoma. Blood. 114: 2721-9. 2. Vendel, A.C. et al (2009) B and T lymphocyte attenuator regulates B cell receptor |

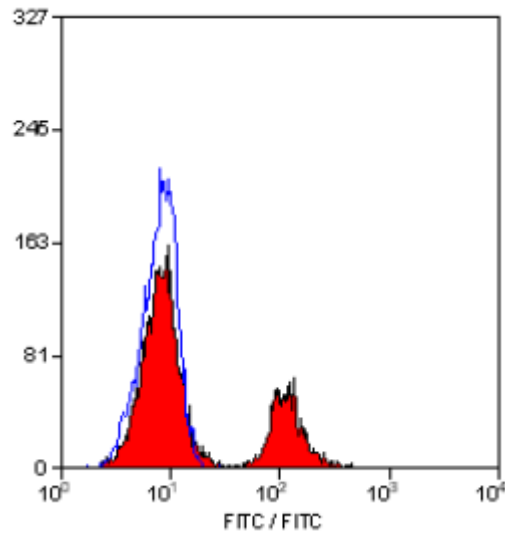
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signaling by targeting Syk and BLNK. J Immunol. 182: 1509-17

Pictures:



Flow Cytometry: Staining of Rat peripheral blood lymphocytes with Rat Anti Human CD79b antibody -FITC conjugated (SM1873F) after permeabilisation.

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