

## Product datasheet for **SM1161P**

### CD79A Mouse Monoclonal Antibody [Clone ID: ZL7-4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ZL7-4
Applications:	ELISA, FC, IP
Recommended Dilution:	Flow Cytometry: Use 10 µl of 10 µg/ml diluted antibody to label 10e6 cells in 100 µl. Immunoprecipitation: 20 µg/ml. ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	IgM complex isolated from Daudi cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody reacts with CD79a positive cells by flow cytometry and ELISA specific for a fusion protein of CD79a-Fc. This clone has been reported to be useful in distinguishing B-CLL from mantle cell lymphoma in flow cytometric assays. (2) The antibody has been reported to induce phosphorylation of syk kinase. (3)
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
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:	CD79a molecule



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**Database Link:** [Entrez Gene 973 Human P11912](#)

**Background:** A disulfide-linked heterodimer, consisting of CD79a / mb1 and CD79b / B29 polypeptides, is non-covalently associated with membrane bound immunoglobulins on B cells to constitute the B cell Ag receptor. CD79a first appears at pre B cell stage and persists until the plasma cell stage where it is found as an intracellular component. CD79a is found in the majority of acute leukemias of precursor B cell type, in B cell lines, B cell lymphomas, and in some myelomas. The CD79a/b heterodimer interacts with at least one tyrosine kinase (Lyn). Induction of tyrosine kinase activity after antigen binding causes phosphorylation of the CD79a/b dimer, and also of other molecules, thereby initiating intracellular signaling.

**Synonyms:** IGA, MB1, B-Cell marker