

## Product datasheet for **SM1161F**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ZL7-4
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10e6 cells in 100µl. We recommend incubation times of at least 30 minutes with this antibody.
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. This clone has been reported to be useful in distinguishing B-CLL from mantle cell lymphoma in flow cytometric assays.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD79a molecule
Database Link:	<a href="#">Entrez Gene 973 Human P11912</a>



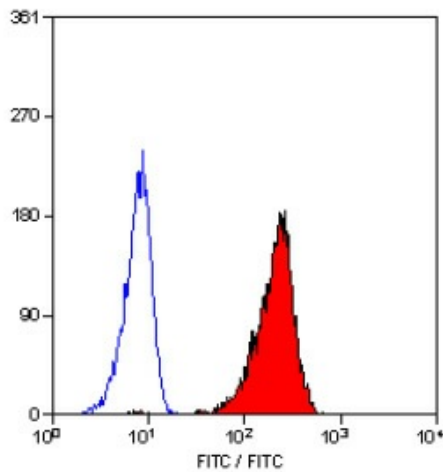
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**Background:**

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

**Product images:**

Staining of RAMOS cells with Mouse Anti Human CD79a-FITC.