

## Product datasheet for **SM2119F**

### CD19 Mouse Monoclonal Antibody [Clone ID: SJ25-C1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SJ25-C1
Recommended Dilution:	<b>Flow Cytometry:</b> 5 µl is the maximum amount of reagent required for 1 x 10 <sup>6</sup> cells. Lesser amounts of antibody may be sufficient and it is recommended that the customer determines the optimum amount of antibody for each application.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Formulation:	Label: FITC State: Liquid Ig fraction Stabilizer: highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml. Preservative: Sodium Azide Absorption emission: 488 nm / 525 nm
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD19 molecule
Database Link:	<a href="#">Entrez Gene 930 Human P15391</a>



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**Background:**

CD19 is a member of the immunoglobulin superfamily and has two Ig like domains. The CD19 molecule is expressed on 100% of the peripheral B cells as defined by expression of kappa or lamda light chains. It is expressed on approximately 10% of normal human peripheral blood cells and approximately 60% of splenic lymphocytes. It is not expressed on granulocytes, monocytes or T cells as defined by CD3 expression. CD19 defines a pan B antigen which is expressed from the earliest stages of B progenitor development, but is lost on terminal differentiation to plasma cells. It may also be present on some early myeloid progenitors, particularly those of the monoblastic type. The CD19 antigen is expressed on approximately 12% of peripheral blood lymphocytes. It appears to be expressed on myeloid leukemia cells, particularly those of monocytic lineage. Leukemia phenotype studies have demonstrated that the earliest and broadest B cell restricted antigen is the CD19 antigen.

**Synonyms:**

Leu-12, B-cell marker