

## Product datasheet for **AM32071PU-N**

### CD19 (C-term) Mouse Monoclonal Antibody [Clone ID: LE-CD19]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LE-CD19
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunoprecipitation.</b> <b>Western blotting:</b> Approximately 95kDa band is detected in Raji cell lysates under <i>reducing conditions</i> . <b>Flow Cytometry:</b> Use 10 µl of 1/100–1/200 diluted antibody to label $1 \times 10^6$ cells in 100 µl. Membrane permeabilisation is required. <b>Immunohistochemistry on Paraffin sections:</b> 1/100–1/200. Antigen retrieval using heat treatment methods (Sodium Citrate pH 6.0) prior to staining of paraffin sections is recommended. <i>Positive Control:</i> Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide derived from the C-terminus of Human CD19.
Specificity:	This Monoclonal antibody <i>LE-CD19</i> recognises CD19, a 95kD cell surface glycoprotein, which is expressed by cells of the B cell lineage and follicular dendritic cells. CD19 is absent on plasma cells. CD19 is an important signal transduction molecule which is involved in the regulation of B lymphocyte development, activation and differentiation.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated



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<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD19 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 930 Human P15391</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	Leu-12, B-cell marker