



CD19 Recombinant Monoclonal Antibody

Product Code	CSB-RA004888A0HU
Abbreviation	B-lymphocyte antigen CD19
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P15391
Immunogen	A synthesized peptide derived from human CD19
Species Reactivity	Human
Tested Applications	ELISA
Relevance	Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19, CD19
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	CD19
Clone No.	3D3

Description

The CD19 antibody is a recombinant monoclonal antibody matched isotype control by the rabbit IgG. Its production mainly includes two procedures: the cloning of the human CD19 DNA gene into the vector and the transfection of the clones into the cell line for in vitro expression. This CD19 antibody can recognize the human CD19 antigen. It has been purified using affinity-chromatography and validated in ELISA application.

CD19 is specifically expressed in normal and neoplastic B cells, as well as follicular dendritic cells. It is critically involved in establishing intrinsic B cell signaling thresholds through regulating both BCR-dependent and -independent signaling. It also plays roles in the antigen-independent development as well as the immunoglobulin-induced activation of B cells. CD19 is thus important for the body to mount an optimal immune response.