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Product datasheet for TP725099

CD19 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD19 protein (C-hFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Pro20-Lys291
Tag:	C-hFc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Note:	Recombinant Human CD19 is produced by our Mammalian expression system and the target gene encoding Pro20-Lys291 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	930
UniProt ID:	P15391
Synonyms:	B-Lymphocyte Antigen CD19; B-Lymphocyte Surface Antigen B4; Differentiation Antigen CD19; T-Cell Surface Antigen Leu-12; CD19
Summary:	CD19 is a single-pass type I membrane protein containing 2 Ig-like C2-type (immunoglobulin-like) domains. CD19 is expressed on follicular dendritic cells and B cells. In fact, it is present on B cells from earliest recognizable B-lineage cells during development to B-cell blasts but is lost on maturation to plasma cells. CD19 primarily acts as a B cell co-receptor in conjunction with CD21 and CD81. Upon activation, the cytoplasmic tail of CD19 becomes phosphorylated, which leads to binding by Src-family kinases and recruitment of PI-3 kinase. CD19 Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway, Hematopoietic cell lineage, Primary immunodeficiency

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