Recombinant Human CD19

Cat. No. CD19-27864TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD19 fragment, amino acids 98-187 with a proprietary N-terminal tag; molecular weight 35.53 kDa inclusive of tag
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	QPGPPSEKAWQPGWTVNVEGSGELFRWNVSDLGGLGCGLKNRSSEGPSSPSGKL MSPKLYVWAKDRPEIWEGEPPCVPPRDSLNQSLSQD
Sequence Similarities	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

GENE INFORMATION

Gene Name	CD19 CD19 molecule [Homo sapiens]
Official Symbol	CD19
Synonyms	CD19; CD19 molecule; CD19 antigen; B-lymphocyte antigen CD19;
Gene ID	930
mRNA Refseq	NM_001178098
Protein Refseq	NP_001171569
MIM	107265
Uniprot ID	P15391
Chromosome Location	16p11.2
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR

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	signaling pathway, organism-specific biosystem;
Function	receptor signaling protein activity;

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