

Active Recombinant Human CD19 protein, Fc-tagged, biotinylated

Cat. No. CD19-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD19(Pro20 - Val279) fused with Fc fusion from human IgG1 at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-279 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule) using the standard procedure.
Bio-activity	Binds anti-CD19 monoclonal antibody human IgG1 with high affinity.
Molecular Mass	Calculated molecular mass 54.1 kDa; Estimated by SDS-PAGE under reducing condition 65-70 kDa probably due to glycosylation
AA Sequence	PEEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPLKPFLKLSLGLPGLGIHM RPLAIWLFIFNVSQQMGGFYLCQPGPPSEKAWQPGWTVNVEGSGELFRWNVSDLG GLGCGLKNRSSEGPSSPSGKLMSPKLYVWAKDRPEIWEGEPPCLPPRDSL NQSLS QDLTMAPGSTLWLSCGVPPDSVSRGPLSWTHVHPKGPKSLLSLELKDDRPARDMW VMETGLLLPRATAQDAGKYYCHRGNTMSFHLEITARPVSTGTHTCPPCPAPELLG GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR

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EEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY
 TLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFF
 LYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Endotoxin <0.1 EU per 1 µg of purified recombinant protein determined by the LAL method

Purity >95% judged by SDS-PAGE under reducing condition

Conjugation Biotin

GENE INFORMATION

Gene Name CD19 CD19 molecule [Homo sapiens]

Official Symbol CD19

Synonyms CD19; CD19 molecule; CD19 antigen; B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4; B4; CVID3; MGC12802;

Gene ID 930

mRNA Refseq NM_001178098

Protein Refseq NP_001171569

MIM 107265

UniProt ID P15391

Chromosome 16p11.2

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Location	
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, 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 signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;
Function	receptor signaling protein activity;
	