

Active Recombinant Human CD19 protein, Fc-tagged

Cat. No. CD19-3307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD19(Pro 20 - Pro 278) fused with with a human IgG1 with a human IgG1 Fc tag tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro 20 - Pro 278
Predicted N Terminal	Pro 20
Form	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Mouse anti-human CD19 Mab FMC63 or HIB19 10 µg/mL (100 µl/well) can bind Human CD19 (20-278), Fc Tag with a linear ranger of 10-1000 ng/mL.Measured by its binding ability in a functional ELISA. Immobilized Human CD9, His Tag at 2 µg/mL (100 µl/well) can bind Human CD19 (20-278), Fc Tag with a linear range of 0.05-0.5 µg/mL.
Molecular Mass	Has a calculated MW of 55.1 kDa. DTT-reduced Protein migrates as 62-70 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the Human CD19 (20-278), Fc Tag by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
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 Location	16p11.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific

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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;
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