

## Active Recombinant Human CD19 protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Pro 20 - Pro 278
<b>Predicted N Terminal</b>	Pro 20
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Has a calculated MW of 55.1 kDa. DTT-reduced Protein migrates as 62-70 kDa in SDS-PAGE due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg of the Human CD19 (20-278), Fc Tag by the LAL method.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	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).
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD19 CD19 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD19
<b>Synonyms</b>	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;
<b>Gene ID</b>	930
<b>mRNA Refseq</b>	NM_001178098
<b>Protein Refseq</b>	NP_001171569
<b>MIM</b>	107265
<b>UniProt ID</b>	P15391
<b>Chromosome Location</b>	16p11.2
<b>Pathway</b>	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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