

Active Recombinant Human CD19 protein, mFc-tagged

Cat. No. CD19-3069H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD19 protein(Pro 20-Lys 291), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro 20-Lys 291
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human CD19 (20-291), Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Mouse / Human chimeric FMC63 MAb (human IgG1) with a linear range of 0.5-8 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminusThe protein has a calculated MW of 57.0 kDa. The protein migrates as 75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or

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

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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