

## Active Recombinant Human CD19 Protein, LIgG2b Fc-tagged, low endotoxin

Cat. No. CD19-340H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human CD19 Protein, LIgG2b Fc-tagged, low endotoxin is expressed from human 293 cells (HEK293). It contains AA Pro 20 - Lys 291 (Accession # P15391-1). Predicted N-terminus: Pro 20. This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 57.9 kDa. The protein migrates as 70-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | Pro 20 - Lys 291   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.   |
| <b>Bio-activity</b>     | Immobilized FMC63 at 0.5 µg/mL (100 µL/well) can bind Recombinant Human CD19 Protein, LIgG2b Fc-tagged, low endotoxin with a linear range of 0.078-1.25 µg/mL (QC tested).   |
| <b>Molecular Mass</b>   | 57.9 kDa   |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.  |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.  |

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|-----------------------|--|
| <b>Notes</b>          | Please avoid repeated freeze-thaw cycles.  |
| <b>Stability</b>      | No activity loss is observed after storage at:<br>4-8 centigrade for 12 months in lyophilized state;<br>-70 centigrade for 3 months under sterile conditions after reconstitution.     |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |

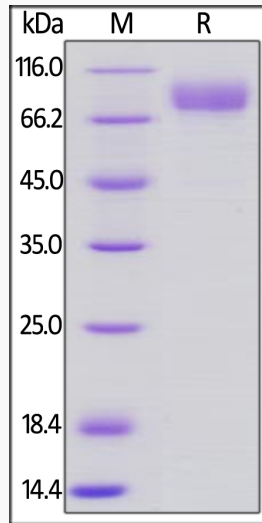
## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | CD19 CD19 molecule [ Homo sapiens ]                     |
| <b>Official Symbol</b> | CD19  |
| <b>Synonyms</b>        | CD19; CD19 molecule; CD19 antigen; 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  |

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