

# Recombinant Human CD19 Protein, His tagged, Biotinylated

**Cat. No.** CD19-558H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | The recombinant human CD19 ECD is expressed as a 271 amino acid protein consisting of Pro20 - Val279 region of CD19 (UniProt accession #P15391) and a C-terminal His-tag. It contains 5 potential sites for N-linked glycosylation. Calculated PI: 7.03 Calculated extinction coefficients (M-1 cm-1, at 280nm): 61355 |
| <b>Species</b>           | Human                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>            | Human cells                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>     | 20-279 aa                                                                                                                                                                                                                                                                                                              |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>              | 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.                                                                                                                             |
| <b>Bio-activity</b>      | Binds anti-CD19 monoclonal antibody human IgG1 with high affinity ( $KD < 1$ nM - see the Technical Data) measured by ELISA with immobilized CD19 ECD protein (100 ng/well).                                                                                                                                           |
| <b>Molecular Mass</b>    | 29.9 kDa                                                                                                                                                                                                                                                                                                               |
| <b>AASequence</b>        | PEEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPLKPFLKLSLGLPGLGIHM<br>RPLAIWLFIFNVSQQMGGFYLCQPGPPSEKAWQPGWTVNVEGSGELFRWNVSDLG                                                                                                                                                                                                    |

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GLGCGLKNRSSEGPSSPSGKLMSPKLYVWAKDRPEIWEGEPPCLPPRDSL NQSL S  
 QDLTMAPGSTLWLSCGVPPDSVSRGPLSWTHVHPKGP KSLLSLELKDDRPARDMW  
 VMETGLLLPRATAQDAGKYYCHRG NLTMSFHLEITARPVSTGHHHHHHHHH

**Endotoxin** < 0.1 EU/μg by LAL

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

## GENE INFORMATION

**Gene Name** CD19 CD19 molecule [ Homo sapiens (human) ]

**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

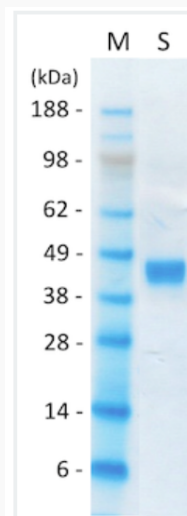
**UniProt ID** P15391

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SDS-PAGE



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