

# Recombinant Human CD19, Fc-tagged, Biotinylated

**Cat. No.** CD19-280H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Human CD19 Protein, With C-Fc Tag (Biotinylated rhCD19-Fc) Pro 20 - Lys 291, was labeled with biotin based on rhCD19-Fc Protein, which was produced in human 293 cells (HEK293).                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 20-291 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Biotinylated rhCD19-Fc, fused with Fc fragment of human IgG1 at the C-terminus, has a calculated MW of 56.3 kDa. The predicted N-terminus is Pro 20. DTT-reduced Protein migrates as 56-66 kDa due to glycosylation.                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg of the Biotinylated rhCD19-Fc 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 reduced 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°C); After reconstitution under sterile conditions for 3 months (-70°C). |
| <b>Conjugation</b>         | Biotin                                                                                                                                                                                        |
| <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                                                                                                                 |

 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



Receptor Leading to Generation of Second Messengers, organism-specific 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;

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