

## Recombinant Human FCGR3B Protein, ECD, Tag Free, Biotinylated

Cat. No. FCGR3B-036H    Lot. No. (See product label)

### SPECIFICATION

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview  | Recombinant human CD16b (FcγR3b) protein was developed from HEK293.                                                                                                                                                                                                                                                                                                                                                                                           |
| Species           | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source            | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ProteinLength     | ECD                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description       | The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. |
| Conjugation/Label | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form              | Lyophilised                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Endotoxin         | Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications      | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Notes             | FOR RESEARCH USE ONLY (RUO).                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Recombinant CD16b, as supplied, can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for twelve months. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | Lyophilised from 0.2 µm filtered PBS solution, pH 7.4 containing 5% trehalose.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL.                                                                                                                                                                                                                                                                                                |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | FCGR3B Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | FCGR3B                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | FCGR3B; Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc fragment of IgG, low affinity IIIb, receptor for (CD16), FCG3, FCGR3; low affinity immunoglobulin gamma Fc region receptor III-B; CD16; CD16b; fc-gamma RIII; fc-gamma RIIIb; fc-gamma RIII-beta; igG Fc receptor III-1; Fc-gamma receptor IIIb (CD 16); Fc fragment of IgG, low affinity IIIb, receptor for (CD16); FCG3; FCGR3; FCR-10; FCRIII; FCRIIIb; |
| <b>Gene ID</b>          | 2215                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_000570                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_000561                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>              | 610665                                                                                                                                                                                                                                                                                                                                                                                                                         |

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UniProt ID

O75015

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