

Fc gamma RIIIB/CD16b Protein, Human (NA2, HEK293, His-Avi)

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| Cat. No.: | HY-P78438 |
| Synonyms: | CD16; Fc gamma RIIIB; FCG3; Fc-gamma receptor IIIb (CD 16); Fc-gamma RIIb; Fc-gamma RIII-beta; FCGR3B; FcgRIIIB; FCRIIIB; IGFR3; IgG Fc receptor III-1; CD16b (NA2); CD16B; FCG3B; FCG3; FCGR3; FCR-10; Fc-gamma RIII- β |
| Species: | Human |
| Source: | HEK293 |
| Accession: | O75015 (G17-S200) |
| Gene ID: | 2215 |
| Molecular Weight: | 47-53 kDa |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | The Fc gamma RIIIB/CD16b Protein acts as a receptor for the Fc region of immunoglobulins gamma, exhibiting low affinity and binding to both complexed or aggregated IgG as well as monomeric IgG. In contrast to Fc gamma RIIIA, Fc gamma RIIIB lacks the ability to mediate antibody-dependent cytotoxicity and phagocytosis. Instead, it may function as a trap for immune complexes circulating in the periphery, without activating neutrophils. The protein exists as a monomer and interacts with INPP5D/SHIP1, suggesting its involvement in intracellular signaling pathways associated with immune responses. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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