

## Fc gamma RIIIA/CD16a (F176) Recombinant Protein | CD16a recombinant protein

Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein Recombinant

|           |                                                                                                                                         |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| CATALOG # | HOST                                                                                                                                    |
| AAA76157  | HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.) |

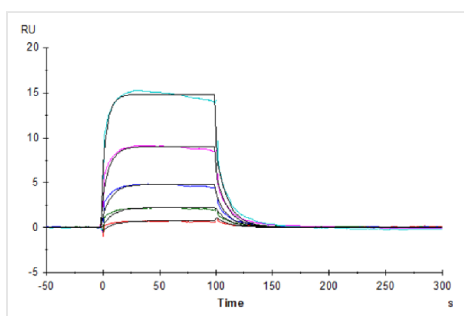
### PRODUCT SYNONYMS

Fc gamma RIIIA/CD16a (F176); Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein Recombinant; CD16a recombinant protein

### PRODUCT SPECIFICATIONS

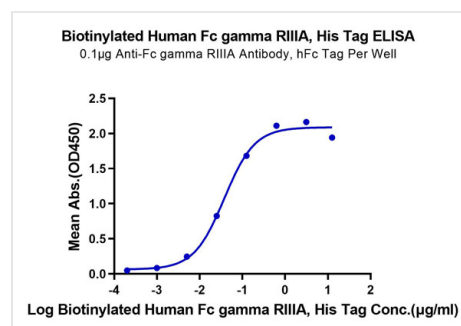
|                         |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)                                                                                 |
| Purity/Purification     | >95%, as determined by SDS-PAGE and HPLC                                                                                                                                                                                |
| Form/Format             | Recombinant Human Fc gamma RIIIA/CD16a (F176) was lyophilized from 0.2 um filtered PBS solution pH7.4                                                                                                                   |
| Source                  | DNA sequence encoding Human Fc gamma RIIIA/CD16a (F176) including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVitag biotinylation technology. |
| Endotoxin               | Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).                                                                                                |
| Molecular Function      | IgG-binding-protein, Receptor                                                                                                                                                                                           |
| Reconstitution          | Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM                                                                                                                                        |
| Preparation and Storage | The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.                                                                                                                            |

### IMAGES



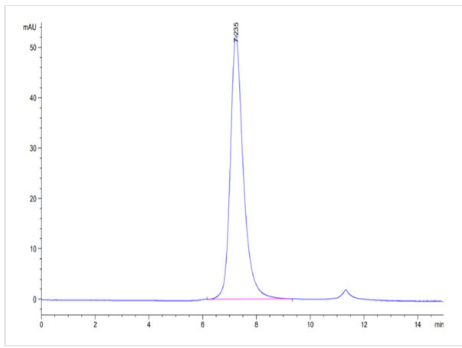
#### Application Data

Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein SPR Data: Biotinylated Human Fc gamma RIIIA (F176), His Tag captured on CM5 Chip via Anti-His Antibody can bind Rituximab, hFc Tag with an affinity constant of 0.14  $\mu$ M as determined in SPR assay (Biacore T200).



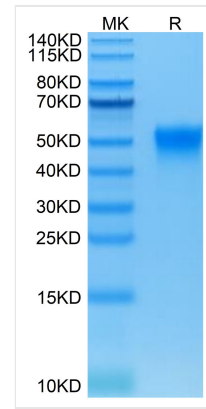
#### ELISA

Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein ELISA Data: Immobilized Anti-Fc gamma RIIIA Antibody, hFc Tag at 1  $\mu$ g/ml (100  $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human Fc gamma RIIIA (F176), His Tag with the EC50 of 37.7 ng/ml determined by ELISA.



#### Application Data

Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein SEC-HPLC The purity of Biotinylated Human Fc gamma RIIIA (F176) is greater than 95% as determined by SEC-HPLC.



#### Tris-Bis-PAGE

Biotinylated Human Fc gamma RIIIA/CD16a (F176) Protein Tris-Bis PAGE Biotinylated Human Fc gamma RIIIA (F176) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

## ADDITIONAL INFORMATION

Product Categories/Family for CD16a recombinant protein

Biotinylated proteins

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119876                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 2214                                                                                                                                                                                                                                                           |
| UniProt Accession #              | P08637; Q53FJ0; Q53FL6; Q5EBR4; Q65ZM6; Q6PIJ0; A2N6W9                                                                                                                                                                                                         |
| Molecular Weight                 | 254                                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | Low affinity immunoglobulin gamma Fc region receptor III-A                                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | Fc fragment of IgG, low affinity IIIa, receptor (CD16a)                                                                                                                                                                                                        |
| NCBI Official Symbol             | FCGR3A                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CD16; FCG3; CD16A; FCGR3; IGFR3; IMD20; FCR-10; FCRIII; FCGRIII; FCRIIIA                                                                                                                                                                                       |
| NCBI Protein Information         | low affinity immunoglobulin gamma Fc region receptor III-A; FcgammaRIIIA; CD16a antigen; fc-gamma RIII; Fc-gamma RIIIA; Fc-gamma RIII-alpha; igG Fc receptor III-2; Fc gamma receptor III-A; Fc-gamma receptor IIb (CD16); neutrophil-specific antigen NA; Fc- |
| UniProt Protein Name             | Low affinity immunoglobulin gamma Fc region receptor III-A                                                                                                                                                                                                     |
| UniProt Gene Name                | FCGR3A                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | CD16A; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIA; FcRIII; FcRIIIa                                                                                                                                                                                      |
| UniProt Entry Name               | FCG3A_HUMAN                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fcgr3a-recombinant-protein-hek293/76157>