Biotinylated Recombinant Human Fc gamma RIIA/FCGR2A/CD32a Protein

RPCB0553

Protein Information

Size:	100 µg	**Tag:**	C-His&Avi
Reactivity:	Human	**Expressed Host:**	-
Calculated MW:	23.2 kDa	**Observerd MW:**	30-40 kDa

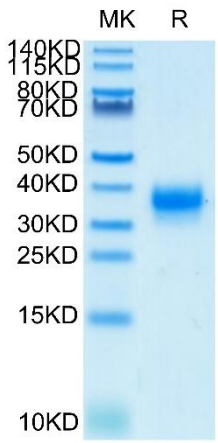
Background

The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type. The CD64 proteins are high affinity receptors (10 -8 -10 -9 M) capable of binding monomeric IgG, whereas the CD16 and CD32 proteins bind IgG with lower affinities (10 -6 -10 -7 M) only recognizing IgG aggregates surrounding multivalent antigens.

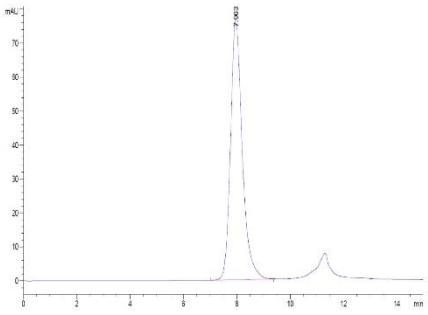
Properties

Synonyms:	Fc gamma RIIA, FCG2, FCGR2, FCGR2A, FCGR2A1, FcgRIIA, FCRIIA, fcRII-a, FCG2, CD32A
Gene ID:	2212
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Biotinylated Recombinant Human Fc gamma RIIA/FCGR2A/CD32a Protein (RPCB0553), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

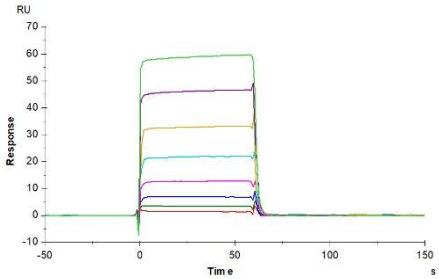
Validation Data



Biotinylated Recombinant Human Fc gamma RIIA/FCGR2A/CD32a Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human Fc gamma RIIA (H167) is greater than 95% as determined by SEC-HPLC.



Rituximab captured on CM5 Chip via Protein A can bind Biotinylated Human Fc gamma RIIA (H167), His-Avi Tag with an affinity constant of 0.680 μM as determined in SPR assay (Biacore T200).