

Active Recombinant Cynomolgus Monkey FCGR1A Protein, His-tagged

Cat. No. FCGR1A-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Monkey FCGR1A (Val11-Pro288) Protein with a C-terminal 6-His tag was expressed in human embryonic kidney cell.
Species	Cynomolgus
Source	HEK293
ProteinLength	11-288
Description	High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Human IgG is immobilized at 0.5 µg/mL, 100 µL/well, the concentration of Recombinant Cynomolgus Monkey Fc gamma RI/CD64 that produces 50% of the optimal binding response is approximately 1-5 ng/mL.
Molecular Mass	32 kDa
N-terminal Sequence Analysis	Val11

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Endotoxin	<0.1 EU/μg of the protein by the LAL method.
Purity	>95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 200 μg/mL in PBS.

GENE INFORMATION

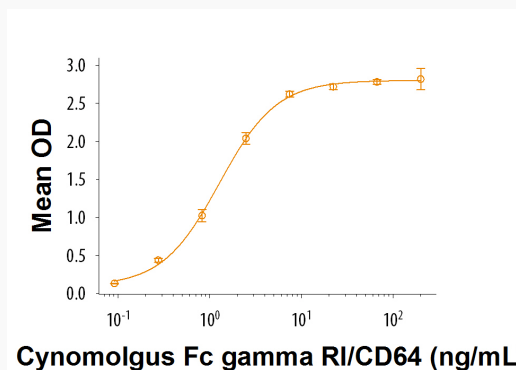
Gene Name	FCGR1A Fc fragment of IgG, high affinity Ia, receptor (CD64) [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	FCGR1A
Synonyms	FCGR1A; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fcgr1; Fc fragment of IgG, high affinity Ia, receptor (CD64); Fc gamma receptor I
Gene ID	102147198
mRNA Refseq	NM_001284040
Protein Refseq	NP_001270969

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Bioactivity



When Human IgG is immobilized at 0.5 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$, Recombinant Cynomolgus Monkey Fc gamma RI/CD64 binds with an ED50 of 1-5 ng/mL.

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