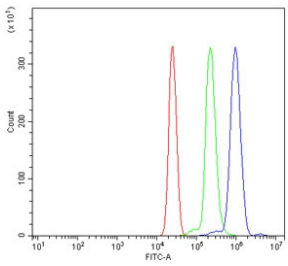
FCGR1A Antibody / CD64 (RQ4109)

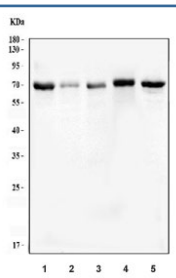
Catalog No.	Formulation	Size
RQ4109	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P12314
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This FCGR1A antibody is available for research use only.



Flow cytometry testing of human U937 cells with FCGR1A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= FCGR1A antibody.



Western blot testing of 1) human SiHa, 2) human A431, 3) human HCCT, 4) human HeLa and 5) rat PC-12 cell lysate with FCGR1A antibody. Predicted molecular weight: 39-75 kDa depending on glycosylation level.

Description

High affinity immunoglobulin gamma Fc receptor I, also called CD64, is a protein that in humans is encoded by the FCGR1A gene. It is mapped to 1q21.2. This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1.

Application Notes

Optimal dilution of the FCGR1A antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids Q16-H292 was used as the immunogen for the FCGR1A antibody.

Storage

After reconstitution, the FCGR1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.