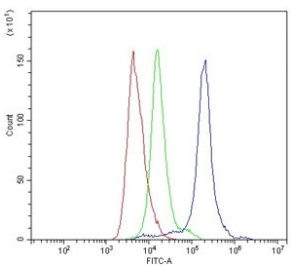
Itgax Antibody / Cd11c (RQ6137)

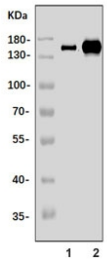
Catalog No.	Formulation	Size
RQ6137	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9QXH4
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Itgax antibody is available for research use only.



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



Western blot testing of mouse 1) spleen and 2) lung tissue lysate with Itgax antibody. Expected molecular weight: 128-150 kDa.

Description

CD11c, also known as Integrin, alpha X (complement component 3 receptor 4 subunit) (ITGAX), is a genethat encodes for CD11c. This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

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

Immunogen

A mouse recombinant partial protein (amino acids F20-E332) was used as the immunogen for the Itgax antibody.

Storage

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