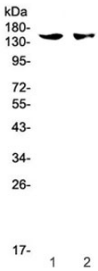
CD11c Antibody (RQ4017)

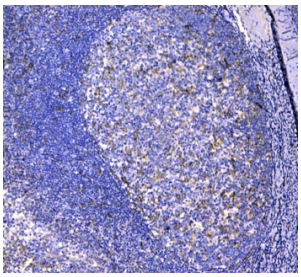
Catalog No.	Formulation	Size
RQ4017	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P20702
Localization	Membrane, cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This CD11c antibody is available for research use only.



Western blot testing of 1) mouse spleen and 2) mouse thymus tissue with CD11c antibody at 0.5ug/ml. Expected molecular weight: 128-150 kDa.



IHC testing of FFPE human tonsil tissue with CD11c antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

CD11c, also known as Integrin, alpha X (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 CD11c antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids S161-T342 was used as the immunogen for the CD11c antibody.

Storage

After reconstitution, the CD11c antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.