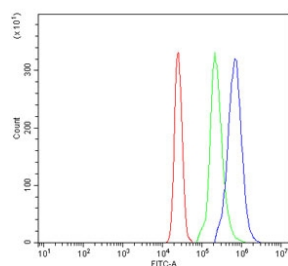


CLEC7A Antibody / Dectin 1 (RQ7430)

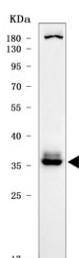
Catalog No.	Formulation	Size
RQ7430	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BXN2
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This CLEC7A antibody is available for research use only.



Flow cytometry testing of human U937 cells with CLEC7A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CLEC7A antibody.



Western blot testing of human RT4 cell lysate with CLEC7A antibody. Expected molecular weight: 27-45 kDa depending on degree of glycosylation.

Description

C-type lectin domain family 7 member A or Dectin-1 is a protein that in humans is encoded by the CLEC7A gene. This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region.

Application Notes

Optimal dilution of the CLEC7A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-C233) was used as the immunogen for the CLEC7A antibody.

Storage

After reconstitution, the CLEC7A antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.