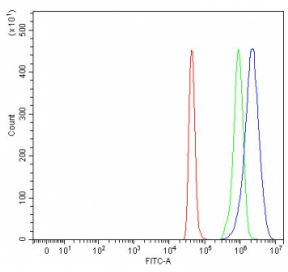
CRABP1 Antibody / Cellular retinoic acid-binding protein 1 (RQ8116)

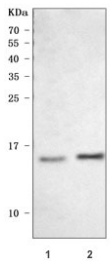
Catalog No.	Formulation	Size
RQ8116	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P29762
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CRABP1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with CRABP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CRABP1 antibody.



Western blot testing of human 1) SH-SY5Y and 2) MOLT4 cell lysate with CRABP1 antibody. Predicted molecular weight ~16 kDa.

Description

Cellular retinoic acid-binding protein 1 is a protein that in humans is encoded by the CRABP1 gene. This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue.

Application Notes

Optimal dilution of the CRABP1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R60-E118) was used as the immunogen for the CRABP1 antibody.

Storage

After reconstitution, the CRABP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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