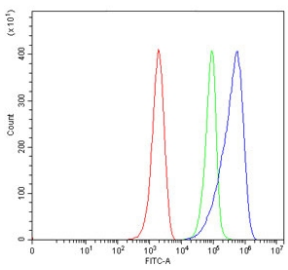
CD80 Antibody (RQ6838)

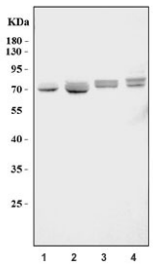
Catalog No.	Formulation	Size
RQ6838	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q00609
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CD80 antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with CD80 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD80 antibody.



Western blot testing of 1) human Daudi, 2) human K562, 3) mouse RAW264.7 and 4) mouse ANA-1 cell lysate with CD80 antibody. Expected molecular weight: 34-75 kDa depending on the level of glycosylation.

Description

Cluster of Differentiation 80 (also CD80 and B7-1) is a protein found on activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 (for autoregulation and intercellular association) and CTLA-4 (for attenuation of regulation and cellular disassociation). CD80 works in tandem with CD86 to prime T cells. The CD80 genes encode B7-1 which are structurally similar members of the immunoglobulin superfamily expressed on a variety of hematopoietic cell types.

Application Notes

Optimal dilution of the CD80 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids D62-K92) was used as the immunogen for the CD80 antibody.

Storage

After reconstitution, the CD80 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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