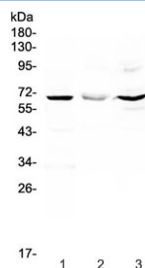


CD5 Antibody (RQ4028)

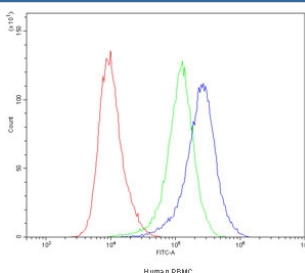
Catalog No.	Formulation	Size
RQ4028	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

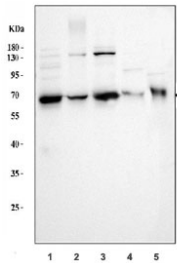
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P06127
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This CD5 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) mouse HEPA1-6 and 3) human HeLa lysate with CD5 antibody at 0.5ug/ml. Observed molecular weight: 55~67 kDa depending on glycosylation level.



Flow cytometry testing of human PBMC with CD5 antibody at 1ug/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD5 antibody.



Western blot testing of 1) human Jurkat 2) human CCRF-CEM, 3) human MOLT-4, 4) rat thymus and 5) mouse thymus lysate with CD5 antibody at 0.5ug/ml. Observed molecular weight: 55~67 kDa depending on glycosylation level.

Description

CD5 is a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. In humans, the gene is located on the long arm of chromosome 11. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the CD5 antibody should be determined by the researcher.

Immunogen

Amino acids KKLVKKFRQKKQRQWIGPTGMNQNMFSFHRNHTATVRSH from the human protein were used as the immunogen for the CD5 antibody.

Storage

After reconstitution, the CD5 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.