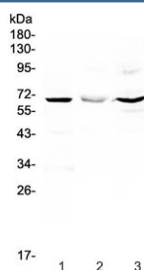


## CD5 Antibody (RQ4028)

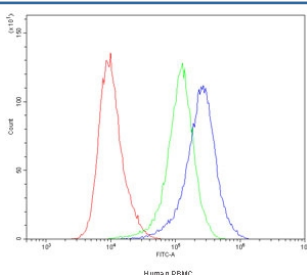
Catalog No.	Formulation	Size
RQ4028	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

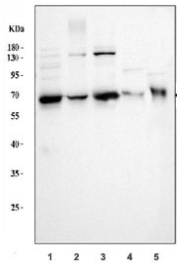
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P06127
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells
<b>Limitations</b>	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/10<sup>6</sup> 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.