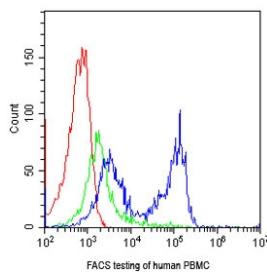


## CD7 Antibody (RQ4098)

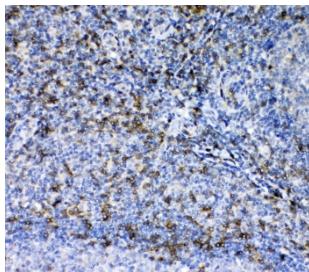
Catalog No.	Formulation	Size
RQ4098	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<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 and 0.025% sodium azide
<b>UniProt</b>	P09564
<b>Localization</b>	Cytoplasmic, membrane
<b>Applications</b>	Flow Cytometry : 1-3ug/10 <sup>6</sup> cells IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This CD7 antibody is available for research use only.



FACS testing of human PBMC with CD7 antibody at 1ug/10<sup>6</sup> cells; blue=CD7 antibody, green=isotype control, red=cells alone.



IHC testing of FFPE human tonsil tissue with CD7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

## Description

CD7 (Cluster of Differentiation 7) is a protein that in humans is encoded by the CD7 gene. This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

## Application Notes

Optimal dilution of the CD7 antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein corresponding to amino acids A26-D172 was used as the immunogen for the CD7 antibody.

## Storage

After reconstitution, the CD7 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.