

## CD7 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4789
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human CD7 (AA: 72-175) expressed in E. Coli.
<b>Mol wt</b>	25.4kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	GP40;TP41;Tp40;LEU-9

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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.

### Recommended Dilution

WB: 1:500 - 1:2000

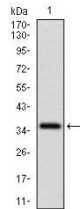
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

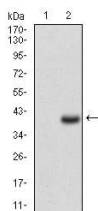
ELISA: 1:10000

Not yet tested in other applications.

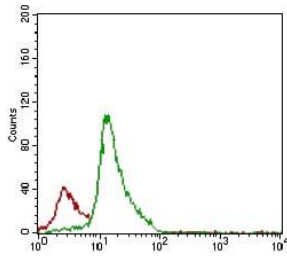
### Images



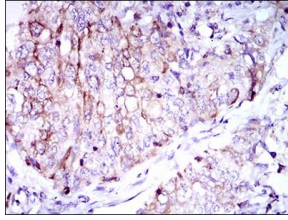
Western blot analysis using CD7 mAb against human CD7 recombinant protein. (Expected MW is 36.6 kDa)



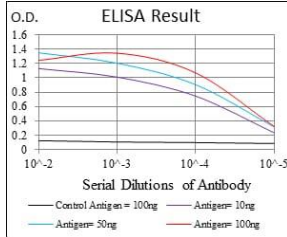
Western blot analysis using CD7 mAb against HEK293 (1) and CD7 (AA: 72-175)-hIgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Jurkat cells using CD7 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded lung cancer tissues using CD7 mouse mAb with DAB staining.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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