

## TRBC1 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4182
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human TRBC1 (AA: 1-149) expressed in E. Coli.
<b>Mol wt</b>	19.7kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	TCRB;TCRBC1;BV05S1J2.2

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

### Background

TRBC1 (T Cell Receptor Beta Constant 1) is a Protein Coding gene. Among its related pathways are Translocation of ZAP-70 to Immunological synapse and Innate Immune System. An important paralog of this gene is TRBC2.

### Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

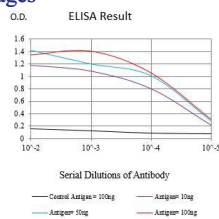
ICC: 1:100 - 1:500

FCM: 1:200 - 1:400

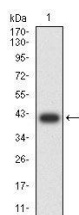
ELISA: 1:10000

Not yet tested in other applications.

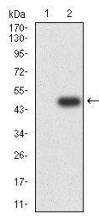
### Images



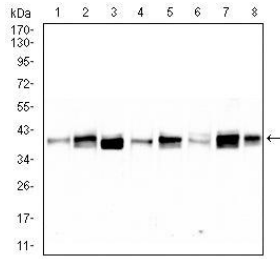
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



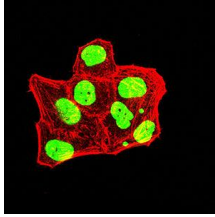
Western blot analysis using TRBC1 mAb against human TRBC1 (AA: 1-149) recombinant protein. (Expected MW is 42.8 kDa)



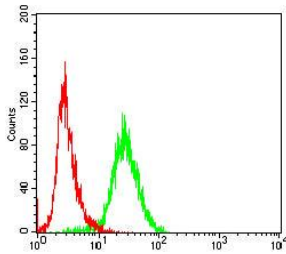
Western blot analysis using TRBC1 mAb against HEK293-6e (1) and TRBC1 (AA: 1-149)-hIgGFc transfected HEK293-6e (2) cell lysate.



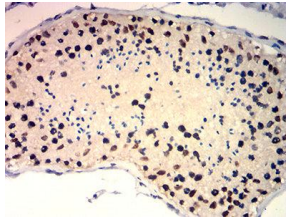
Western blot analysis using TRBC1 mouse mAb against HUVEC (1), Jurkat (2), HeLa (3), HUVE-12 (4), A549 (5), C6 (6), Raji (7), and T47D (8) cell lysate.



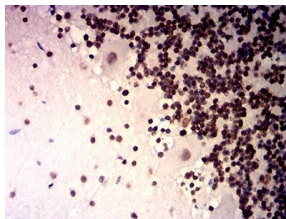
Immunofluorescence analysis of HeLa cells using TRBC1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of Jurkat cells using TRBC1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded testis tissues using TRBC1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded cerebellum tissues using TRBC1 mouse mAb with DAB staining.

## Storage

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

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