

MERTK Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3822
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human MERTK (AA:extra(21-220)) expressed in E. Coli.
Mol wt	140-180 kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MER;RP38;c-Eyk;c-mer;Tyro12

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

Background

This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).

Recommended Dilution

WB: 1:500 - 1:2000

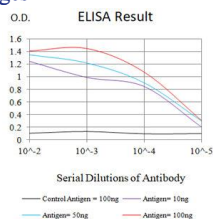
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

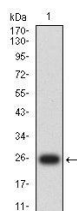
ELISA: 1:10000

Not yet tested in other applications.

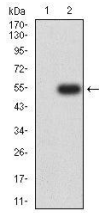
Images



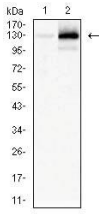
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



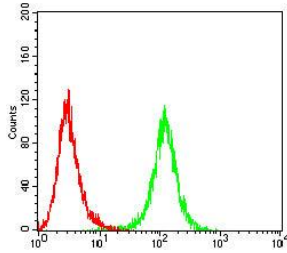
Western blot analysis using MERTK mAb against human MERTK (AA:extra(21-220)) recombinant protein. (Expected MW is 25kDa)



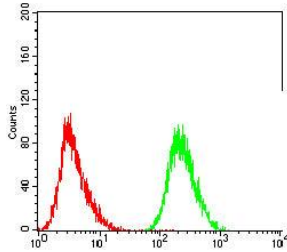
Western blot analysis using MERTK mAb against HEK293-6e (1) and MERTK (AA:extra(21-220))-hlgGfc transfected HEK293-6e (2) cell lysate.



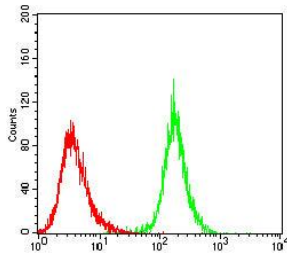
Western blot analysis using MERTK mouse mAb against HepG2 (1), and PANC-1 (2) cell lysate.



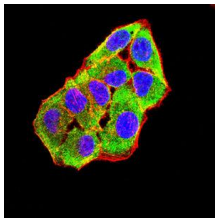
Flow cytometric analysis of bel-7402 cells using MERTK mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using MERTK mouse mAb (green) and negative control (red).



Flow cytometric analysis of U937 cells using MERTK mouse mAb (green) and negative control (red).



Immunofluorescence analysis of HeLa cells using MERTK 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)

Storage

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

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