Product Name: **MERTK Mouse Monoclonal Antibody**
Catalog #: **AMM82638**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	140-180 kDa

Antigen Information

Gene Name	MERTK
Alternative Names	MER; RP38; c-Eyk; c-mer; Tyro12
Gene ID	10461.0
SwissProt ID	Q12866
Immunogen	Purified recombinant fragment of human MERTK (AA:extra(21-220)) expressed in E. Coli.

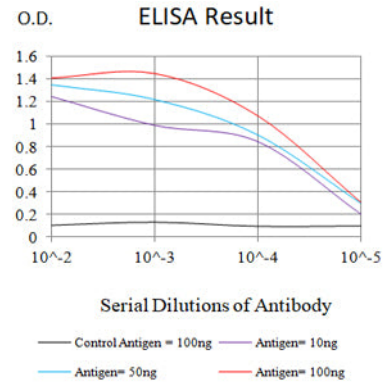
Background

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

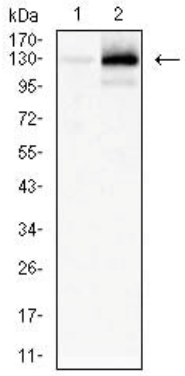
autosomal recessive retinitis pigmentosa (RP).

Research Area

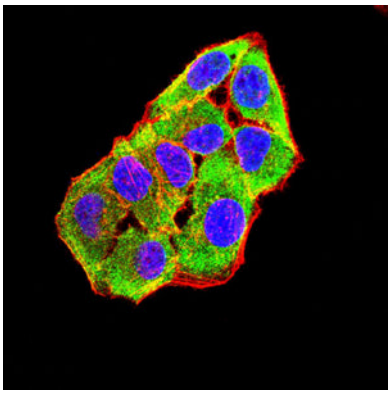
Image Data



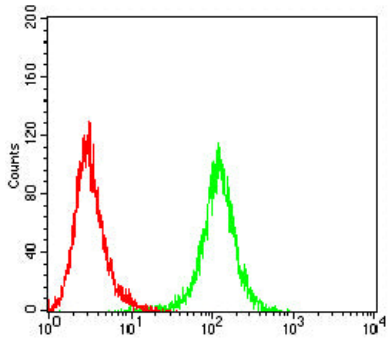
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



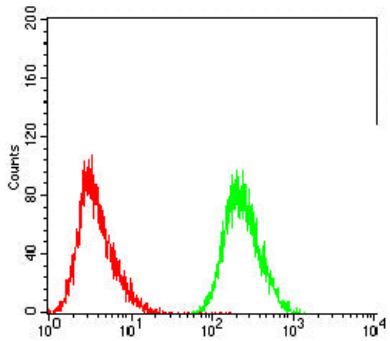
Western blot analysis using MERTK mouse mAb against HepG2 (1), and PANC-1 (2) cell lysate.



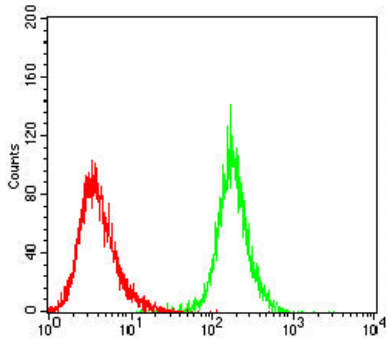
Immunofluorescence analysis of Hela cells using MERTK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



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).