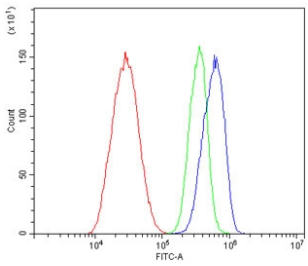
MERTK Antibody (R31400)

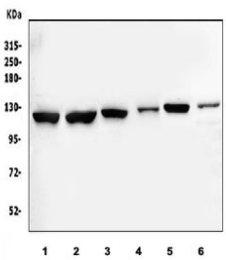
Catalog No.	Formulation	Size
R31400	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q12866
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This MERTK antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with MERTK antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MERTK antibody.



Western blot testing of 1) human HepG2, 2) human Jurkat, 3) human K562, 4) monkey kidney, 5) rat testis and 6) mouse testis tissue lysate with MERTK antibody. Predicted molecular weight: 110-205 kDa depending on glycosylation level.

Description

Proto-oncogene tyrosine-protein kinase MER is an enzyme that in humans is encoded by the MERTK gene. 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. MERTK signaling plays a role in various processes such as macrophage clearance of apoptotic cells, platelet aggregation, cytoskeleton reorganization and engulfment. It is also very important in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3.

For a Protein Microarray Validated monoclonal antibody to this target, see our MerTK Antibody MERTK/3015 / MERTK Monoclonal Antibody.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MERTK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human MERTK (KDGKELLGAHHAITQFY) was used as the immunogen for this MERTK antibody.

Storage

After reconstitution, the MERTK antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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