

Mouse anti-Human, Mouse MERTK Monoclonal Antibody | anti-MERTK antibody

Mouse anti-Homo sapiens (Human) MERTK Monoclonal antibody

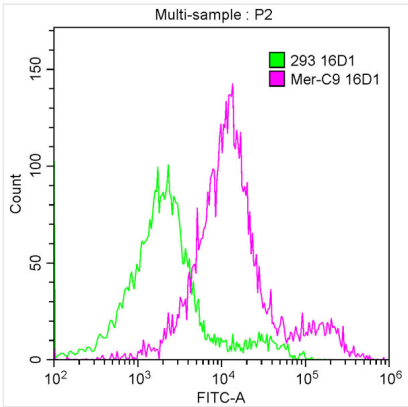
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28069	Mouse	Human, Mouse	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MERTK; Monoclonal Antibody; Mouse anti-Homo sapiens (Human) MERTK Monoclonal antibody; MERTK Monoclonal Antibody; c MER; c mer proto oncogene tyrosine kinase; c-mer; cMER ; cmer protooncogene tyrosine kinase ; Eyk; MER; MER receptor tyrosine kinase; MERK; MERPEN ; MERTK; MERTK c-mer proto-oncogene tyrosine kinase; MERTK_HUMAN; MGC133349; nmf12; Nyk; Proto oncogene tyrosine protein kinase MER ; Proto oncogene tyrosine protein kinase MER precursor ; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; RP38; STK kinase; Tyrosine-protein kinase Mer; anti-MERTK antibody

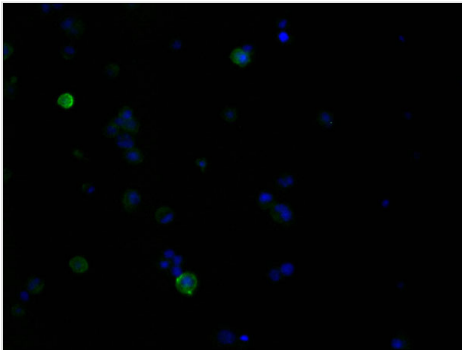
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	16D1
Purity/Purification	>95%, Protein A purified
Form/Format	Liquid; PBS, 0.1% sodium azide, 50% glycerol, pH 7.3.
Applicable Applications for anti-MERTK antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB?1:1000-1:5000 IF: 1:50-1:200 FC/FACS: 1:50-1:200
Immunogen Species	Human
Immunogen	Recombinant MERTK protein (21-505AA)
Conjugation	Non-conjugated
Research Area	Signal Transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



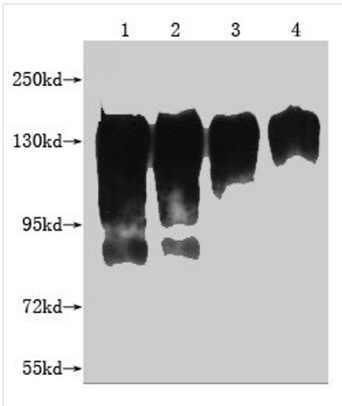
FCM (Flow Cytometry)

Overlay Peak curve showing 293T transfected cells stained with AAA28069 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



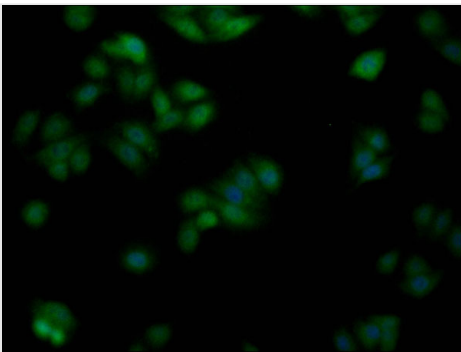
IF (Immunofluorescence)

Immunofluorescence staining of 293T transfected cells with MERTK AAA28069 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



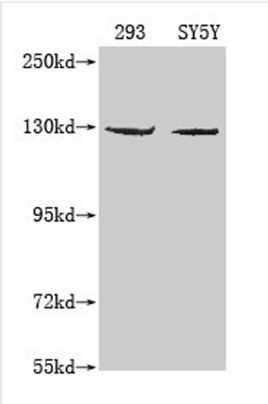
WB (Western Blot)

Western BlotPositive WB detected in: 1-4 lanes: Recombinant MERTK protein at 20ng, 10ng, 5ng, 2.5ngAll lanes: MERTK antibody at 1:2000SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 120 KDaObserved band size: 120-150 KDaExposure time?5S



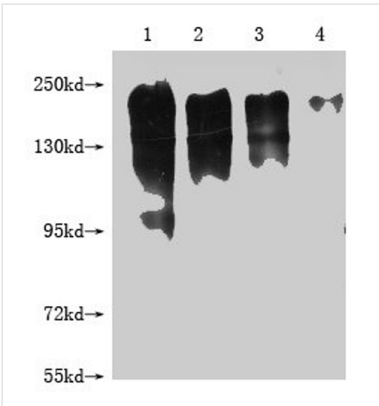
IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with MERTK AAA28069 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



WB (Western Blot)

Western BlotPositive WB detected in: 293 whole cell lysate, SY5Y whole cell lysate, K562 whole cell lysate All lanes: MERTK antibody at 1:1000SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 110 kDaObserved band size: 130 KDaExposure time?5min



WB (Western Blot)

Western BlotPositive WB detected in: 1-4 lanes: 293T whole cell lysate transfected with MERTK at 10ug, 5ug, 2.5ug, 1.25ugAll lanes: MERTK antibody at 1:2000SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 150-250 KDaObserved band size: 150-250 KDaExposure time?5S

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932918
NCBI GeneID	10461
NCBI Accession #	NP_006334.2
NCBI GenBank Nucleotide #	NM_006343.2
UniProt Accession #	Q12866; Q9HBB4
Molecular Weight	110,249 Da
NCBI Official Full Name	tyrosine-protein kinase Mer
NCBI Official Synonym Full Names	c-mer proto-oncogene tyrosine kinase
NCBI Official Symbol	MERTK
NCBI Official Synonym Symbols	MER; RP38; c-mer
NCBI Protein Information	tyrosine-protein kinase Mer; STK kinase; proto-oncogene c-Mer; MER receptor tyrosine kinase; receptor tyrosine kinase MerTK
UniProt Protein Name	Tyrosine-protein kinase Mer
UniProt Gene Name	MERTK
UniProt Synonym Gene Names	MER
UniProt Entry Name	MERTK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/mertk-antibody-clone-16d1-western-blot-immunofluorescence-flow-cytometry-elisa/28069>