



Anti-MERTK monoclonal antibody, clone 236629 (DCABY-3966)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse orthologs of chicken c-Eyk) constitute the TAM receptor tyrosine kinase subfamily. This RTK subfamily is characterized by an extracellular domain that consists of two Ig-like motifs and two fibronectin type III motifs. These receptors bind the vitamin K-dependent protein Growth Arrest Specific Gene 6 (Gas6). Receptor activation leads to cell proliferation, migration, or the prevention of apoptosis. Cellular signaling through this family of RTKs is involved in hematopoiesis, embryonic development, tumorigenesis, and spermatogenesis.
Specificity	Detects human Mer in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human(rh)Axl, rhDtk, or recombinant mouse Mer is observed.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Mer. Met1-Ala499 Accession Number AAB60430
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	236629
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Flow Cytometry, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	MERTK MER proto-oncogene, tyrosine kinase [Homo sapiens (human)]
Official Symbol	MERTK
Synonyms	MERTK; MER proto-oncogene, tyrosine kinase; MER; RP38; c-mer; tyrosine-protein kinase Mer; STK kinase; proto-oncogene c-Mer; MER receptor tyrosine kinase; receptor tyrosine kinase MerTK; c-mer proto-oncogene tyrosine kinase;
Entrez Gene ID	10461
Protein Refseq	NP_006334
UniProt ID	Q12866
Chromosome Location	2q14.1
Pathway	Cell surface interactions at the vascular wall; Hemostasis.
Function	ATP binding; protein binding; transmembrane receptor protein tyrosine kinase activity;