

[Go to Product page](#)

Datasheet for ABIN6720381 **MERTK ELISA Kit**

Overview

Quantity:	1 kit
Target:	MERTK
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: C mer, c mer proto oncogene tyrosine kinase, MER receptor tyrosine kinase, MerTk, MERTK_HUMAN, Proto-oncogene c-Mer, Receptor tyrosine kinase MerTK, RP38, STK kinase, Tyrosine-protein kinase Mer</p> <p>Background: 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. Its gene is mapped to chromosome 2q14.1. Mer encodes a 984-amino acid protein with a calculated molecular mass</p>
------------------	---

Product Details

of 109 kD. It is expressed in numerous neoplastic B- and T-cell lines. 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)

Gene Name: MERTK

Production: Natural and recombinant human Mer. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: R26-A499

Target Details

Target: MERTK

Alternative Name: Mer ([MERTK Products](#))

Gene ID: 10461

NCBI Accession: [NP_006334](#)

UniProt: [Q12866](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Mer standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin), saliva or urine to each empty well. It is recommended that each human Mer standard solution and each sample be measured in duplicate.

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.