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Datasheet for KOA0481

Human Mer ELISA Kit

Overview

Description:	Human Mer AccuSignal ELISA Kit - KOA0481
Item No.:	KOA0481
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

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 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)
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
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	MERTK
Reactivity:	Human
Immunogen:	Expression system for standard: sf21; Immunogen sequence: R26-A499

Purity/Specificity:	Natural and recombinant human Mer. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q12866 • NCBI - NP_006334.2 • GeneID - 10461 • KOA0481 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, cell lysates, tissue lysates or serum to each empty well. It is recommended that each human Mer standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	DOE @4°C 11/10/2024 @ -20°C 05/10/2025

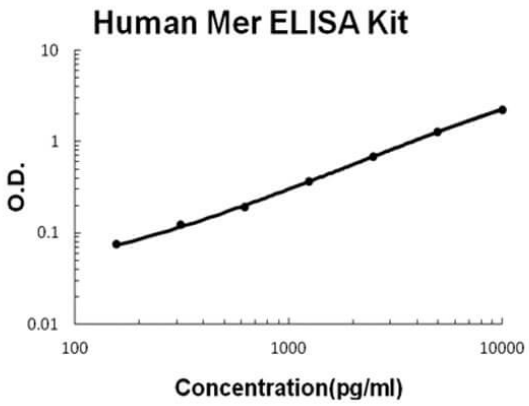
Formulation

Concentration:	1 Kit

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human Mer AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.