

Datasheet for ABIN2703325

MERTK ELISA Kit[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity: 96 tests

Target: MERTK

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 0.15-40 ng/mL

Minimum Detection Limit: 0.15 ng/mL

Application: ELISA

Product Details

Purpose: Human Mer ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: ANGPTL3, beta IG-H3, CA9, Cathepsin B, CD23, CHI3L1, CTLA-4 (CD152), DKK-4, DPPIV (CD26), EDA-A2, Erythropoietin R, FGF-6, FGF-9, Gas 1, GITR (TNFRSF18), IGFBP-5, IL-1 F5 (FIL1 delta), IL-1 F6 (FIL1 epsilon), IL-1 F7 (FIL1 zeta), IL-1 F8 (FIL1 eta), IL-1 F9 (IL-1 H1), IL-1 F10 (IL-1HY2), IL-1 R5, IL-21 (IL-17C), IL-18, IL-20, IL-34, IL-5 R alpha, IL-10 R alpha, Layilin, Leptin R, Marapsin, MMP-7, P-Cadherin, Prostatin, PSMA (FOLH1), SIGIRR, TGF beta R3, Coagulation Factor III (Tissue Factor, F3), TWEAK (TNFSF12)

Sensitivity: 0.15 ng/mL

Product Details

Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data
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Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 μL to 1 μL volumes• Adjustable 1-25 μL pipettes for reagent preparation• 100 μL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• Log-log graph paper or computer and software for ELISA data analysis
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Target Details

Target:	MERTK
Alternative Name:	Mer (MERTK Products)
Background:	Gene Names: MERTK MER Protein names: Tyrosine-protein kinase Mer (EC 2.7.10.1) (Proto-oncogene c-Mer) (Receptor tyrosine kinase MerTK)
Gene ID:	10461
UniProt:	Q12866
Pathways:	RTK Signaling

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples 2 fold
Sample Volume:	100 μ L

Application Details

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

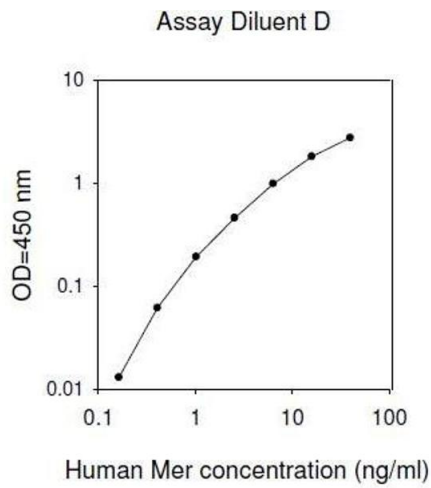
Expiry Date: 6 months

Publications

Product cited in:

Qin, Wang, Ma, Yang, Fu, Liang, Huang, Yang, Zhong: "The association of Tyro3/Axl/Mer signaling with inflammatory response, disease activity in patients with primary Sjögren's syndrome." in: **Joint, bone, spine : revue du rhumatisme**, Vol. 82, Issue 4, pp. 258-63, (2015) ([PubMed](#)).

Breunung: "[Possibilities and limitations of an early prognosis in rearing premature infants]." in: **Monatsschrift für Kinderheilkunde**, Vol. 113, Issue 10, pp. 577-80 ([PubMed](#)).



ELISA

Image 1.