

ARG81935 Human TYRO3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81935-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81935-002	Standard	2 X 10 ng/vial	4°C
ARG81935-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81935-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81935-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81935-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81935-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81935-008	25X Wash buffer	20 ml	4°C
ARG81935-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81935-010	STOP solution	10 ml (Ready to use)	4°C
ARG81935-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81935 Human TYRO3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TYRO3 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TYRO3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 6.0%
Alternate Names	Dtk; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase DTK; RSE; Sky; Rek; Tyrosine-protein kinase TIF; BYK; Tif; EC 2.7.10.1; Tyrosine-protein kinase BYK; Etk-2

Application Instructions

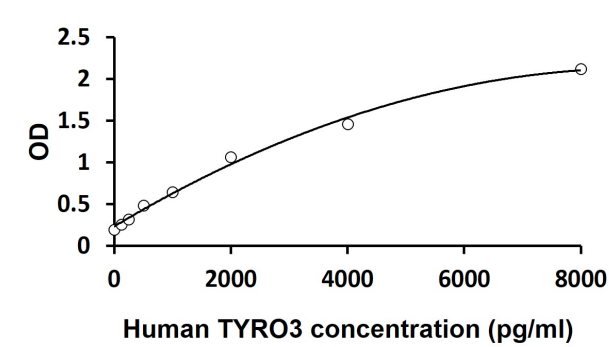
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TYRO3
Gene Full Name	TYRO3 protein tyrosine kinase
Background	The gene is part of a 3-member transmembrane receptor kinase receptor family with a processed pseudogene distal on chromosome 15. The encoded protein is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. The encoded protein has also been identified as a cell entry factor for Ebola and Marburg viruses. [provided by RefSeq, May 2010]
Function	Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to several ligands including TULP1 or GAS6. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces dimerization and autophosphorylation of TYRO3 on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with PIK3R1 and thereby enhances PI3-kinase activity. Activates the AKT survival pathway, including nuclear translocation of NF-kappa-B and up-regulation of transcription of NF-kappa-B-regulated genes. TYRO3 signaling plays a role in various processes such as neuron protection from excitotoxic injury, platelet aggregation and cytoskeleton reorganization. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3. [UniProt]
Highlight	Related products: TYRO3 antibodies ; TYRO3 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Autophosphorylated. [UniProt]



ARG81935 Human TYRO3 ELISA Kit standard curve image

ARG81935 Human TYRO3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.