

Datasheet for ABIN5510662

**TYRO3 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	TYRO3
Binding Specificity:	AA 31-418
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse DTK/TYRO3
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO, Immunogen sequence: A31-S418
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Abundant in the brain and lower levels in other tissues.

## Target Details

Target:	TYRO3
Alternative Name:	Tyro3 ( <a href="#">TYRO3 Products</a> )
Background:	Protein Function: Receptor tyrosine kinase that transduces signals from the extracellular matrix

## Target Details

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. .

Background: Tyrosine-protein kinase receptor TYRO3 is an enzyme that in humans is encoded by the TYRO3 gene. 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.

Synonyms: Tyrosine-protein kinase receptor TYRO3,2.7.10.1,Etk2/tyro3,TK19-2,Tyrosine-protein kinase DTK,Tyrosine-protein kinase RSE,Tyrosine-protein kinase TIF,Tyro3,Dtk, Rse, Tif,

Full Gene Name: Tyrosine-protein kinase receptor TYRO3

Cellular Localisation: Cell membrane, Single-pass type I membrane protein.

UniProt: [P55144](#)

Pathways: [RTK Signaling](#)

## Application Details

Plate: Pre-coated

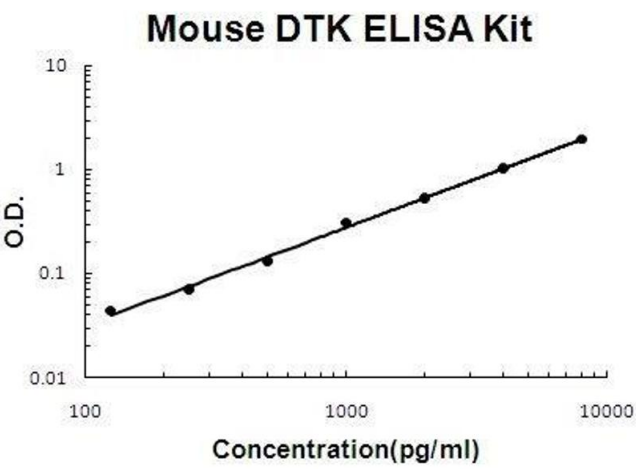
Restrictions: For Research Use only

## Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



**ELISA**

**Image 1.** Mouse DTK/TYRO3 PicoKine ELISA Kit standard curve