ETK ELISA Kit for Human, Mouse

PRODUCT OVERVIEW

Product Name	ETK, ELISA Kit
Full Product Name	Phospho-ETK (Tyr566) Colorimetric Cell-Based ELISA Kit
Product Gene Name	ETK elisa kit
Product Synonym Gene Name	BMX
Product Synonym Names	BMX; BMX NON-receptor tyrosine kinase; Bone marrow kinase BMX; Cytoplasmic BMX; Epithelial and endothelial tyrosine kinase; NTK38; Protein tyrosine kinase BMX; kinase Etk
Species Reactivity	Human, Mouse
Assay Type	Phospho Cell-Based ELISA
Samples	Researchers plate their cell line of choice
Sensitivity	>=5000 cells/well
Form/Format	Two 96-Well Plates
Preparation and Storage	Store at 4 degree C.
Molecular Weight	78011
OMIM	X83107 mRNA
3D Structure	ModBase 3D Structure for P51813
Reactivity Note	Human: Y566, Mouse: Y542
Detection Method	Colorimetric 450 nm
Product Categories/Family for ETK elisa kit	Cell Based ELISA Kit
Related Product Information for ETK elisa kit	MBS9501235 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the ETK, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ETK. The ELISA analytical biochemical technique of the MBS9501235 kit is based on ETK antibody-ETK antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ETK antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ETK. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ETK elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ETK. It may not necessarily be applicable to this product.

NCBI GI #	1003701547
NCBI GeneID	660
NCBI Accession #	NP_001307795.1
UniProt Primary Accession #	P51813

UniProt Secondary Accession #	O60564; Q12871; A6NIH9
UniProt Related Accession #	P51813
GenBank Nucleotide #	NM_001320866.1
NCBI Official Full Name	cytoplasmic tyrosine-protein kinase BMX isoform 2
NCBI Official Synonym Full Names	BMX non-receptor tyrosine kinase
NCBI Official Symbol	BMX
NCBI Official Synonym Symbols	ETK; PSCTK2; PSCTK3
UniProt Protein Name	Cytoplasmic tyrosine-protein kinase BMX
UniProt Synonym Protein Names	Bone marrow tyrosine kinase gene in chromosome X protein; Epithelial and endothelial tyrosine kinase; ETK; NTK38
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	BMX
UniProt Synonym Gene Names	ETK
NCBI Protein Information	cytoplasmic tyrosine-protein kinase BMX
NCBI Summary for ETK	This gene encodes a non-receptor tyrosine kinase belonging to the Tec kinase family. The protein contains a PH-like domain, which mediates membrane targeting by binding to phosphatidylinositol 3,4,5-triphosphate (PIP3), and a SH2 domain that binds to tyrosine-phosphorylated proteins and functions in signal transduction. The protein is implicated in several signal transduction pathways including the Stat pathway, and regulates differentiation and tumorigenicity of several types of cancer cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016]
UniProt Comments for ETK	Etk: a tyrosine kinase of the Tec family. Activity is required for IL6-induced differentiation. May play a role in the growth and differentiation of hematopoietic cells. May be involved in signal transduction in endocardial and arterial endothelial cells. Protein type: EC 2.7.10.2; Kinase, protein; Protein kinase, TK; Protein kinase, tyrosine (non-receptor); TK group; Tec family Chromosomal Location of Human Ortholog: Xp22.2 Cellular Component: cytosol; extrinsic component of cytoplasmic side of plasma membrane; nucleoplasm; plasma membrane Molecular Function: ATP binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; protein binding; protein tyrosine kinase activity; receptor binding; signal transducer activity Biological Process: cell adhesion; innate immune response; mesoderm development; NK T cell differentiation; peptidyl-tyrosine autophosphorylation; phosphatidylinositol biosynthetic process; protein amino acid phosphorylation; protein autophosphorylation; regulation of cell proliferation; signal transduction; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on ETK	**1.** results demonstrate that cleaved BMX is a novel N-end rule substrate, and its degradation exhibits a novel interplay between substrate phosphorylation and N-end rule degradation, revealing an increasing complex regulatory network of apoptotic proteolytic signaling cascades.
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