



BTK blocking peptide (CDBP5215)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	BTK Bruton agammaglobulinemia tyrosine kinase [Homo sapiens (human)]
Official Symbol	BTK
Synonyms	BTK; Bruton agammaglobulinemia tyrosine kinase; AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK1; tyrosine-protein kinase BTK; B-cell progenitor kinase; agammaglobulinaemia tyrosine kinase; truncated Bruton agammaglobulinemia tyrosine kinase; tyrosine-protein kinase BTK isoform (lacking exon 14); dominant-negative kinase-deficient Brutons tyrosine kinase

Entrez Gene ID	695
mRNA Refseq	NM_000061
Protein Refseq	NP_000052
UniProt ID	Q06187
Pathway	Activated TLR4 signalling; Adaptive Immune System; Antigen activates B Cell Receptor (BCR) leading to generation of second messengers; B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; BCR signaling pathway; Class I PI3K signaling events; DAP12 interactions
Function	ATP binding; identical protein binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; phosphatidylinositol-3,4,5-trisphosphate binding; protein binding; protein tyrosine kinase activity; protein tyrosine kinase activity