

BTK Ab

Cat.#: BF0265
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 77kDa
Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000, ICC 1/200 - 1/1000
Reactivity:	Human,Monkey
Purification:	Affinity-chromatography.
Specificity:	BTK Ab detects endogenous levels of total BTK.
Immunogen:	Purified recombinant fragment of human BTK expressed in E. Coli.
Uniprot:	Q06187
Description:	Defects in the Bruton tyrosine kinase (BTK) gene cause Agammaglobulinemia. Agammaglobulinemia is an X-linked immunodeficiency characterized by failure to produce mature B lymphocyte cells and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]
Subcellular Location:	Cytoplasm. Membrane. Nucleus.
Tissue Specificity:	Predominantly expressed in B-lymphocytes.
Similarity:	The PH domain mediates the binding to inositol polyphosphate and phosphoinositides, leading to its targeting to the plasma membrane. It is extended in the BTK kinase family by a region designated the TH (Tec homology) domain, which consists of about 80 residues preceding the SH3 domain.Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

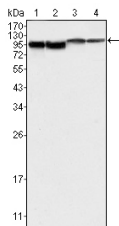
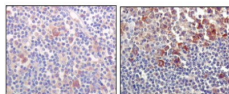
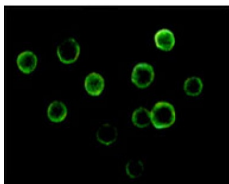


Figure 1: Western blot analysis using BTK mouse mAb against K562 (1), MCF-7 (2), Jurkat (3) and HEK293 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human lymph-node tissues (left) and human lymph follicle tissues (right), showing cytoplasmic and membrane localization using BTK mouse mAb with DAB staining.



Immunofluorescence analysis of Jurkat cells using BTK mouse mAb.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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