

Datasheet: VMA00176

BATCH NUMBER 240615

Description:	MOUSE ANTI BTK
Specificity:	BTK
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI12D4
Isotype:	IgG2a
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen Full length recombinant human BTK (NP_000052) produced in HEK293T cells

External Database

Links

UniProt:

[Q06187](#) [Related reagents](#)

Entrez Gene:

[695](#) BTK [Related reagents](#)

Synonyms

AGMX1, ATK, BPK

Specificity

Mouse anti Human BTK antibody, clone OT112D4 recognizes BTK, also known as B-cell progenitor kinase, gamma globulinaemia tyrosine kinase, dominant-negative kinase-deficient Brutons tyrosine kinase, truncated Bruton gamma globulinemia tyrosine kinase, tyrosine-protein kinase BTK and tyrosine-protein kinase BTK isoform (lacking exon 14).

The protein encoded by the BTK gene plays a crucial role in B-cell development. Mutations in BTK 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 (provided by RefSeq, Nov 2008).

Mouse anti Human BTK antibody, clone OT112D4 detects a band of 72 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti BTK detects a band of approximately 72 kDa in K562 cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00176>
Antibody (10048)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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