

Datasheet: VMA00176

Description:	MOUSE ANTI BTK
Specificity:	BTK
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT112D4
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
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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
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** 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 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.

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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

Shelf Life As supplied, 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:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M284521:160321'

Printed on 02 May 2018