

Datasheet: VMA00053

BATCH NUMBER 281014

Description:	MOUSE ANTI FYN
Specificity:	FYN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG2b
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

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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen	Bacterially expressed recombinant fragment of human FYN aa 7-176
External Database Links	<p>UniProt: P06241 Related reagents</p> <p>Entrez Gene: 2534 FYN Related reagents</p>
Specificity	<p>Mouse anti Human FYN antibody recognizes FYN, a member of the src family of non receptor protein tyrosine kinases, expressed by T-cells and natural killer (NK) cells, and highly expressed in brain.</p> <p>FYN plays a vital role in thymocyte development and T cell activation and is essential for TCR-mediated signal transduction through association with the T-cell receptor (TCR) eta chain/CD3 complex. This association, results in protein kinase activation and the subsequent protein tyrosine phosphorylation of multiple immunoreceptor tyrosine-based activation motifs (ITAMs), which triggers the phosphorylation of further substrates downstream in the T-cell signaling cascade.</p> <p>FYN is involved in neurodegeneration, through the tyrosine phosphorylation of the microtubule-associated protein tau, a prominent component of neurofibrillary tangles.</p> <p>Mouse anti Human FYN antibody recognizes FYN as a band of ~61 kDa in western blotting in multiple cell line lysates including myeloid, lymphoid, neuronal, adenocarcinoma, sarcoma and embryonic kidney.</p>
Western Blotting	Anti FYN antibody detects a band of approximately 61 kDa in HEK293 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00053 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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