

Datasheet: VMA00145

Description:	MOUSE ANTI PFKP
Specificity:	PFKP
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT11F2
Isotype:	IgG1
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 PFKP (NP_002618) produced in HEK293T cells
External Database Links	UniProt: Q01813 Related reagents Entrez Gene: 5214 PFKP Related reagents
Synonyms	PFKF

Specificity	Mouse anti Human PFKP antibody recognizes ATP-dependent 6-phosphofructokinase, platelet type (PFKP), also known as 6-phosphofructokinase type C, 6-phosphofructokinase, platelet type, ATP-PFK, ATP-dependent 6-phosphofructokinase, platelet type, phosphofructokinase, platelet type, phosphofructo-1-kinase isozyme C, phosphofructokinase 1 and phosphohexokinase. PFKP catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The PFKP gene, which maps to chromosome 10p, is also expressed in fibroblasts. The muscle and liver isoforms of phosphofructokinase, which map to chromosomes 12q13 and 21q22, respectively. Vora (1981) determined that full tetrameric phosphofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2. Mouse anti Human PFKP antibody detects a band of 86 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti PFKP detects a band of approximately 86 kDa in Jurkat 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.
Further Reading	1. Vora S (1981) Isozymes of human phosphofructokinase in blood cells and cultured cell lines: molecular and genetic evidence for a trigenic system. Blood. 57 (4): 724-32.
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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 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
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