

Datasheet: VMA00145

BATCH NUMBER 240615

Description:	MOUSE ANTI PFKP
Specificity:	PFKP
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1F2
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

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 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. Tetrameric phosphofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2 ([Vora 1981](#)).

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.

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.

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/VMA00145>
Antibody (10048)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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