

Datasheet: VMA00167

**BATCH NUMBER 240615**

<b>Description:</b>	MOUSE ANTI FOCAL ADHESION KINASE
<b>Specificity:</b>	FOCAL ADHESION KINASE
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI4A8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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

### 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 from ascites.

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Full length recombinant protein of human focal adhesion kinase (NP_722560) produced in HEK293T cells
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q05397</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5747</a>    PTK2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	FAK, FAK1
<b>Specificity</b>	<p><b>Mouse anti Human focal adhesion kinase 1 antibody</b> recognizes focal adhesion kinase 1, also known as FADK 1, FAK-related non-kinase polypeptide, PTK2 protein tyrosine kinase 2, focal adhesion kinase 1, focal adhesion kinase isoform FAK-Del33, focal adhesion kinase-related nonkinase, protein phosphatase 1 regulatory subunit 71 and protein phosphatase 1, regulatory subunit 71.</p> <p>Encoded by the PTK2 gene, focal adhesion kinase 1 is a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of focal adhesion kinase 1 may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for PTK2, but the full-length natures of only three of them have been determined (provided by RefSeq, Dec 2010).</p> <p>Mouse anti Human focal adhesion kinase 1 antibody detects a band of 125 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti focal adhesion kinase detects a band of approximately 125 kDa in A549 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00167">https://www.bio-rad-antibodies.com/SDS/VMA00167</a>

## Antibody (10048)

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### Regulatory

For research purposes only

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## 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](https://bio-rad-antibodies.com/datasheets)

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