

## Datasheet: VMA00028KT

<b>Description:</b>	PAG ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	PAG
<b>Other names:</b>	CSK Binding Protein
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	2 Westerns

## 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
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Mouse monoclonal antibody purified by affinity chromatography on Protein A from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 97 - 432 of human Cbp/PAG

### External Database Links

#### UniProt:

[Q9NWQ8](#)

[Related reagents](#)

**Entrez Gene:**

[55824](#) PAG1 [Related reagents](#)

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<b>Synonyms</b>	CBP, PAG
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<b>Specificity</b>	<p><b>Mouse anti Human PAG antibody</b> recognizes human phosphoprotein associated with glycosphingolipid-enriched microdomains (PAG), also known as Csk-binding protein (Cbp) or transmembrane phosphoprotein Cbp. PAG is a <a href="#">single pass type III transmembrane protein</a>. Mouse anti Human PAG antibody recognizes an epitope located in the cytoplasmic domain which localizes to membrane lipid rafts and is involved in regulation of T-Cell activation.</p> <p>The engagement of immunoreceptors with natural ligands or antibodies is the initiating factor in a long line of events down a cytosolic signaling cascade. The transmission of signals along the various pathways within this cascade requires the phosphorylation of various substrates, by members of the src and syk families of protein tyrosine kinases (PTKs).</p> <p>Evidence has shown that by binding to the SH2 domain of the protein tyrosine kinase Csk, a major negative regulator of src-family kinases, PAG acts not only acts as a 'co-factor' for relocating Csk to substrate rich microdomains, but also increases the affinity of Csk for src-family kinases, through the formation of PAG-Csk complexes.</p> <p>Mouse anti Human PAG antibody recognizes human PAG as a single band of ~80 kDa in human cell line lysates by Western blotting under reducing conditions.</p>
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<b>Western Blotting</b>	Anti PAG antibody detects a band of approximately 80 kDa in Raji cell lysates.
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<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
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<b>Lysate Composition</b>	400µg Raji lysate lyophilized in RIPA buffer.
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<b>Lysate Reconstitution</b>	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
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<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
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<b>Guarantee</b>	As supplied, 12 months from date of despatch.
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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 #10561 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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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](#)

### Recommended Negative Controls

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

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