

## Datasheet: VMA00273

<b>Description:</b>	MOUSE ANTI ALIX
<b>Specificity:</b>	ALIX
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Clone:</b>	OT11A4
<b>Isotype:</b>	IgG2a
<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
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>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Full length recombinant human ALIX (NP_037506) produced in HEK293T cells
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q8WUM4</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">10015</a>    PDCD6IP    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	AIP1, ALIX, KIAA1375

**Specificity** **Mouse anti Human ALIX antibody** recognizes the programmed cell death 6-interacting protein, also known as ALG-2 interacting protein 1, ALG-2-interacting protein X, PDCD6-interacting protein, apoptosis-linked gene 2-interacting protein X, dopamine receptor interacting protein 4 and programmed cell death 6-interacting protein.

The PDCD6IP (ALIX) gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of PDCD6IP binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. PDCD6IP product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of PDCD6IP product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for PDCD6IP. Related pseudogenes have been identified on chromosome 15 (provided by RefSeq, Jan 2012).

Mouse anti Human ALIX antibody detects a band of 96 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti ALIX detects a band of approximately 96 kDa in K562 cell lysates

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**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.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Shelf Life** 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 #10048 available at: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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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