

Datasheet: MCA2493

**BATCH NUMBER 155656**

<b>Description:</b>	MOUSE ANTI ALIX
<b>Specificity:</b>	ALIX
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3A9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Species Cross Reactivity

Reacts with: Human, Xenopus, Rat, Mouse

**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

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Alix-GST fusion protein.
<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
<b>RRID</b>	AB_872031
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the SP2/0 murine myeloma.
<b>Specificity</b>	<p><b>Mouse anti ALIX antibody, clone 3A9</b> recognizes the apoptosis-linked gene-2 interacting protein X (ALIX), also known as Programmed cell death 6-interacting protein or Hp95. ALIX is a 868 amino acid ~90kDa cytoplasmic protein containing a single <a href="#">BRO1</a> domain implicated in endosomal targeting (<a href="#">Kim et al. 2005</a>).</p> <p>ALIX was first reported to play a role in apoptosis dependent on its association with <a href="#">PDCD6</a> (<a href="#">Mahul-Mellier et al. 2006</a>) but has subsequently shown to be involved in endocytosis (<a href="#">Matsuo et al. 2004</a>), viral budding (<a href="#">Irie et al. 2008</a>) and actin cytoskeletal assembly (<a href="#">Pan et al. 2006</a>).</p> <p>Mouse anti Alix, clone 3A9 has been used extensively for the detection of ALIX by Western blotting (<a href="#">Sun et al. 2016</a>) and for the identification of an ALIX homologue in the sea urchin <i>Paracentrotus lividus</i> (<a href="#">Romancino et al. 2013</a>).</p>
<b>Immunohistology</b>	This product does not require protein digestion pre-treatment of paraffin sections.
<b>References</b>	<ol style="list-style-type: none"> <li>Pan, S. <i>et al.</i> (2008) Extracellular Alix regulates integrin-mediated cell adhesions and extracellular matrix assembly. <a href="#">EMBO J. 27: 2077-90.</a></li> <li>Dangaj, D. <i>et al.</i> (2011) Mannose Receptor (MR) Engagement by Mesothelin GPI Anchor Polarizes Tumor-Associated Macrophages and Is Blocked by Anti-MR Human Recombinant Antibody. <a href="#">PLoS One. 6: e28386.</a></li> <li>Liu, W. <i>et al.</i> (2012) Galectin-3 regulates intracellular trafficking of EGFR through Alix and promotes keratinocyte migration. <a href="#">J Invest Dermatol. 132 (12): 2828-37.</a></li> </ol>

4. Zhou, X. *et al.* (2008) The HIV-1 p6/EIAV p9 docking site in Alix is autoinhibited as revealed by a conformation-sensitive anti-Alix monoclonal antibody. [Biochem J. 414: 215-20.](#)
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9. Sun, S. *et al.* (2016) Phosphorylation-Dependent Activation of the ESCRT Function of ALIX in Cytokinetic Abscission and Retroviral Budding. [Dev Cell. 36 \(3\): 331-43.](#)
10. Sun, S. *et al.* (2015) ALG-2 activates the MVB sorting function of ALIX through relieving its intramolecular interaction. [Cell Discov. 1: 15018.](#)
11. Feng, Z. *et al.* (2007) Alternative polyadenylation produces two major transcripts of Alix. [Arch Biochem Biophys. 465 \(2\): 328-35.](#)

<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2493">https://www.bio-rad-antibodies.com/SDS/MCA2493</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

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