

## Datasheet: MCA2493

<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

**RRID** AB\_872031

**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.

**Product Form** Purified IgG - liquid

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

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Carrier Free** Yes

**Approx. Protein Concentrations** 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>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> <li>Zhou, X. <i>et al.</i> (2008) The HIV-1 p6/EIAV p9 docking site in Alix is autoinhibited as revealed by a conformation-sensitive anti-Alix monoclonal antibody. <a href="#">Biochem J. 414: 215-20.</a></li> <li>Pusic, A.D. &amp; Kraig, R.P. (2014) Youth and environmental enrichment generate serum exosomes containing miR-219 that promote CNS myelination. <a href="#">Glia. 62 (2): 284-99.</a></li> <li>Chen, H.Y. <i>et al.</i> (2009) Galectin-3 negatively regulates TCR-mediated CD4+ T-cell activation at the immunological synapse. <a href="#">Proc Natl Acad Sci U S A. 106 (34): 14496-501.</a></li> <li>Pusic AD <i>et al.</i> (2014) IFN<math>\gamma</math>-stimulated dendritic cell exosomes as a potential therapeutic for remyelination. <a href="#">J Neuroimmunol. 266 (1-2): 12-23.</a></li> <li>Pusic, A.D. &amp; Kraig, R.P. (2015) Phasic Treatment with Interferon Gamma Stimulates Release of Exosomes that Protect Against Spreading Depression. <a href="#">J Interferon Cytokine Res. 35 (10): 795-807.</a></li> <li>Sun, S. <i>et al.</i> (2016) Phosphorylation-Dependent Activation of the ESCRT Function of ALIX in Cytokinetic Abscission and Retroviral Budding. <a href="#">Dev Cell. 36 (3): 331-43.</a></li> <li>Sun, S. <i>et al.</i> (2015) ALG-2 activates the MVB sorting function of ALIX through relieving its intramolecular interaction. <a href="#">Cell Discov. 1: 15018.</a></li> <li>Feng, Z. <i>et al.</i> (2007) Alternative polyadenylation produces two major transcripts of Alix. <a href="#">Arch Biochem Biophys. 465 (2): 328-35.</a></li> </ol>
<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.

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<b>Guarantee</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Rabbit Anti Mouse IgG (STAR13...)	<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 (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

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