

Datasheet: MCA2493

**BATCH NUMBER 162397**

<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>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> <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>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> </ol>

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13. Pusic, K.M. *et al.* (2019) IFN $\gamma$ -Stimulated Dendritic Cell Exosomes for Treatment of Migraine Modeled Using Spreading Depression. [Front Neurosci. 13: 942.](#)
14. Karbanová, J. *et al.* (2024) Extracellular lipidosomes containing lipid droplets and mitochondria are released during melanoma cell division. [Cell Commun Signal. 22 \(1\): 57.](#)

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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2493>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [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)  
'M383808:210513'

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