

Datasheet: AAM64

BATCH NUMBER 151172

Description:	GOAT ANTI MOUSE SDF-1 ALPHA
Specificity:	SDF-1 ALPHA
Other names:	CXCL12a
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			2.5 - 3.5ug/ml

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.

Target Species Mouse

Product Form Purified IgG - lyophilised

Reconstitution Reconstitute with 0.1ml distilled water
 Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
 N.B. For functional studies do not add sodium azide

Antiserum Preparation Antiserum to mouse SDF-1 alpha were raised by repeated immunisation of goats with

highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	None present
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Carrier Free	Yes
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Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution
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Immunogen	Recombinant mouse SDF-1 alpha expressed in <i>E. coli</i> (PMP77).
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External Database Links	UniProt: P40224 Related reagents Entrez Gene: 20315 Cxcl12 Related reagents
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Synonyms	Sdf1
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RRID	AB_2088306
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Specificity	<p>Goat anti Mouse SDF-1 alpha antibody recognizes mouse SDF-1 alpha, otherwise known as CXCL12a, a stromal cell derived CXC chemokine which, together with SDF-1 beta, arises from alternative splicing of the SDF-1 gene, and acts as a chemoattractant for T and B lymphocytes, monocytes and migratory neurons.</p> <p>SDF-1 binds with high-affinity to the G protein–coupled receptor CXCR4 (fusin), and acts as an inhibitor of the CXCR4-mediated entry of HIV-1 virus into target T-cells.</p>
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ELISA	This antibody may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with AAM64B as the detection antibody and PMP77 as the standard.
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Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	6 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AAM64 10162
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [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

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