

Datasheet: AAM64B

Description:	GOAT ANTI MOUSE SDF-1 ALPHA:Biotin
Specificity:	SDF-1 ALPHA
Other names:	CXCL12a
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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 conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin 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.
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
Preservative Stabilisers	None present
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution
Immunogen	Recombinant mouse SDF-1 alpha expressed in <i>E. coli</i> (PMP77).
External Database Links	<p>UniProt: P40224 Related reagents</p> <p>Entrez Gene: 20315 Cxcl12 Related reagents</p>
Synonyms	Sdf1
RRID	AB_2088307
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>
ELISA	This antibody may be used in an indirect ELISA or as a detection reagent in a sandwich ELISA with AAM64 as the capture antibody and PMP77 as the standard.
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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

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