

Datasheet: AAM67

**BATCH NUMBER 160830**

<b>Description:</b>	GOAT ANTI MOUSE CD184 / CXCR4
<b>Specificity:</b>	CD184 / CXCR4 (N-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<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	▪			1/300
ELISA	▪			1/50000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

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

### Species Cross Reactivity

Reacts with: Xenopus

**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

### Antiserum Preparation

Antiserum to mouse CD184 / CXCR4 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Synthetic peptide YSEEVGSGDYDSNKEPCFRDENVHFNR corresponding to amino acids 14-40 within the N-terminal region of mouse CD184 / CXCR4.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P70658</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">12767</a> Cxcr4    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Cmkar4, Lestr, Sdf1r
<b>RRID</b>	AB_2089371
<b>Specificity</b>	<p><b>Goat anti Mouse CD184 / CXCR4</b> recognises an epitope within the N-terminal (NT) region of mouse CD184, otherwise known as CXCR4 (C-X-C chemokine receptor type 4), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, ubiquitously expressed in blood and tissue cells, which acts as a specific receptor for the chemokine SDF-1 (Stromal cell-derived factor 1).</p> <p>Interaction of CD184 with SDF-1 mediates the chemotaxis of progenitor and mature blood cells, and is critical for B-lymphopoiesis and myelopoiesis. CD184 is a major co-receptor for infection by T-cell tropic strains of HIV1, and also a primary receptor for some HIV2 isolates.</p> <p>This antibody is reported as being suitable for use in immunocytochemistry on mouse spleen leucocytes.</p>
<b>ELISA</b>	This product is suitable for use in indirect ELISA applications.
<b>Histology Positive Control Tissue</b>	Spleen
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAM67">https://www.bio-rad-antibodies.com/SDS/AAM67</a>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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)

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