

## Datasheet: AAM50B

<b>Description:</b>	RABBIT ANTI MOUSE STEM CELL FACTOR:Biotin
<b>Specificity:</b>	STEM CELL FACTOR
<b>Other names:</b>	SCF
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Western Blotting	▪			0.1 - 0.2ug/ml
Immunocytochemistry	▪			

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilised
<b>Reconstitution</b>	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.
<b>Antiserum Preparation</b>	Antisera to mouse SCF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.

**Immunogen** Recombinant mouse SCF ([PMP23](#))

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**External Database Links**

**UniProt:**  
[P20826](#) [Related reagents](#)

**Entrez Gene:**  
[17311](#) [Kitl](#) [Related reagents](#)

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**Synonyms** Kitl, Mgf, Sl, Slf

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**Specificity** **Rabbit anti Mouse stem cell factor antibody** recognizes mouse stem cell factor (SCF).

SCF is a stromal cell derived cytokine that synergizes with other haemopoietic growth factors to stimulate the proliferation of myeloid and lymphoid progenitors in bone marrow culture.

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**ELISA** This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with [AAM50](#) as the capture reagent and [PMP23](#) as the standard.

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**References** 1. Chou, S. *et al.* (2013) Fetal Hepatic Progenitors Support Long-term Expansion of Hematopoietic Stem Cells. [Exp Hematol. pii: S0301-472X\(13\)00016-7.](#)

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**Storage** Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

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.

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**Shelf Life** 12 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory** For research purposes only

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