

Datasheet: AAR44

Description:	RABBIT ANTI RAT STEM CELL FACTOR
Specificity:	STEM CELL FACTOR
Other names:	SCF
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
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.08 - 0.12ug/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	Rat
Product Form	Purified IgG - lyophilized
Reconstitution	<p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> <p>For long term storage the addition of 0.09% sodium azide is recommended.</p>
Antiserum Preparation	Antiserum to rat SCF was raised by repeated immunisation of rabbits 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 1.0mg/ml after reconstitution
Immunogen	Recombinant rat SCF.
External Database Links	<p>UniProt: P21581 Related reagents</p> <p>Entrez Gene: 60427 Kitlg Related reagents</p>
Synonyms	Kitl, Mgf
RRID	AB_10709280
Specificity	<p>Rabbit anti Rat Stem Cell Factor antibody specifically recognizes rat stem cell factor (SCF), a type I transmembrane protein and haematopoietic growth factor which acts in synergy with other growth factors, and signals through the receptor tyrosine kinase c-Kit (CD117).</p> <p>The interaction between SCF and c-Kit regulates developmental and functional processes of haematopoietic progenitor cells, mast cells, melanocytes and germ cells, and plays an important role in follicular development. The interaction between SCF and c-Kit is associated with the progression and invasiveness of some tumours, including melanomas.</p>
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 #10294 available at: https://www.bio-rad-antibodies.com/SDS/AAR44 10294
Regulatory	For research purposes only

Related Products

[Recommended Secondary Antibodies](#)

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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
'M391271:211008'

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