Datasheet: AAM49B

Description:	RABBIT ANTI MOUSE RANTES:Biotin
Specificity:	RANTES
Other names:	CCL5
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	▪			0.15ug/ml - 0.30ug/ml
Western Blotting	▪			0.10ug/ml - 0.20ug/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 1.0 ml of 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

Antisera to mouse RANTES were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

None present

Approx. Protein Concentrations

IgG concentration 50 ug/ml

Immunogen	Recombinant mouse RANTES.
External Database Links	**UniProt:** P30882 Related reagents **Entrez Gene:** 20304 Ccl5 Related reagents
Synonyms	Scya5
Specificity	**Rabbit anti Mouse RANTES antibody** recognizes mouse RANTES, also known as CCL5. RANTES is expressed by circulating T cells and T cells in culture. RANTES is chemotactic for peripheral blood monocytes.
References	1. Ruddell, R.G. *et al.* (2009) Lymphotoxin-beta receptor signaling regulates hepatic stellate cell function and wound healing in a murine model of chronic liver injury. Hepatology. 49: 227-39. 2. Keepers, T.R. *et al.* (2007) Monocyte chemoattractant protein 1, macrophage inflammatory protein 1 alpha, and RANTES recruit macrophages to the kidney in a mouse model of hemolytic-uremic syndrome. Infect Immun. 75: 1229-36. 3. Hildebrandt, G.C. *et al.* (2005) Donor T-cell production of RANTES significantly contributes to the development of idiopathic pneumonia syndrome after allogeneic stem cell transplantation. Blood. 105: 2249-57.
Storage	Prior to reconstitution store at +4ºC. Following reconstitution store at -20ºC. 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

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