

Datasheet: AAM70

BATCH NUMBER 167063

Description:	GOAT ANTI MOUSE CD197
Specificity:	CD197
Other names:	CCR7
Format:	Purified
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	▪			1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/250
ELISA	▪			1/100000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000
Functional Assays	▪			8ug

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
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Species Cross Reactivity	<p>Reacts with: Human</p> <p>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.</p>
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Product Form	Purified IgG - liquid
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Antiserum Preparation Antiserum to mouse CD197 was raised by repeated immunisation of goats with highly

purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.1% Sodium Azide, 0.1% Bovine Serum Albumin.
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Approx. Protein Concentrations	IgG concentration 1.0mg/ml
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Immunogen	Synthetic peptide DPGKPRKNVLVALLVIFQVC corresponding to amino acids 2-22 of mouse CD197.
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External Database Links	UniProt: P47774 Related reagents P32248 Related reagents Entrez Gene: 12775 Ccr7 Related reagents 1236 CCR7 Related reagents
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Synonyms	Cmkbr7, CMKBR7, Ebi1, EBI1, Ebi1h, EVI1
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RRID	AB_2228802
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Specificity	<p>Goat anti Mouse CD197 antibody recognizes mouse C-C chemokine receptor type 7, also known as CD197, CCR7, Epstein-Barr virus-induced G-protein coupled receptor 1 or MIP-3 beta receptor. CD197 is a 378 amino acid ~43 kDa multi pass type III transmembrane glycoprotein and member of the G-protein coupled receptor 1 family (UniProt: P74447). CD197 is expressed by various lymphoid tissues, activated B and T cells, naive T cells, NK cells and dendritic cells (DCs), which acts a high-affinity receptor for the chemokines MIP-3beta (CCL19) and CCL21.</p> <p>Ligand binding of CD197 plays a vital role in the homing of naive T cells and antigen-loaded DCs into secondary organs. Expression of CD197 is strongly up-regulated in B cells infected with Epstein-Barr virus (EBV) and T cells infected with herpesvirus 6 or 7. Goat anti Mouse CD197 antibody can be used to distinguish between central memory and effector memory T cells and is suitable for use in immunocytochemistry.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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ELISA	This product is suitable for use in indirect ELISA applications.
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Histology Positive Control Tissue	Spleen.
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Storage	Store at -20°C only. Storage in frost-free freezers is not recommended.
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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.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AAM70 10041
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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 \(BUF025A\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M420569:230706'

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