

Datasheet: AAM70

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
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>
Product Form	Purified IgG - liquid
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
Preservative Stabilisers	0.1% Sodium Azide, 0.1% Bovine Serum Albumin.
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide DPGKPRKNVLVALLVIFQVC corresponding to amino acids 2-22 of mouse CD197.
External Database Links	<p>UniProt:</p> <p>P47774 Related reagents</p> <p>P32248 Related reagents</p> <p>Entrez Gene:</p> <p>12775 Ccr7 Related reagents</p> <p>1236 CCR7 Related reagents</p>
Synonyms	Cmkbr7, CMKBR7, Ebi1, EBI1, Ebi1h, EVI1
RRID	AB_2228802
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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
ELISA	This product is suitable for use in indirect ELISA applications.
Histology Positive Control Tissue	Spleen.
References	1. Chamberlain, C.S. <i>et al.</i> (2019) Extracellular Vesicle-Educated Macrophages Promote Early Achilles Tendon Healing. Stem Cells. 37 (5): 652-62.
Storage	Store at -20°C only.

Storage in frost-free freezers is not recommended.

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/AAM7010041
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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
'M428119:240301'

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