

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	Reacts with: Human N.B. Antibody reactivity and working conditions may vary between species.
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 DPGKPRKNLVVALLVIFQVC corresponding to amino acids 2-22 of mouse

CD197.

External Database**Links****UniProt:**

[P47774](#) [Related reagents](#)

[P32248](#) [Related reagents](#)

Entrez Gene:

[12775](#) Ccr7 [Related reagents](#)

[1236](#) CCR7 [Related reagents](#)

Synonyms

Cmkbr7, CMKBR7, Ebi1, EBI1, Ebi1h, EVI1

Specificity

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.

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 in research studies to distinguish between central memory and effector memory T cells and is reported as suitable for use in immunocytochemistry.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

ELISA

This product is suitable for use in indirect ELISA applications.

Histology Positive Control Tissue

Spleen.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10304 available at:
10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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