

Datasheet: AHP1810

Description:	GOAT ANTI HUMAN CD192 (N-TERMINAL)
Specificity:	CD192 (N-TERMINAL)
Other names:	CCR2
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	▪			1/100
ELISA	▪			1/30000
Immunoprecipitation			▪	
Western Blotting	▪			1/500

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	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human CD192 (NT) 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 (NaN ₃) 0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

Immunogen	Synthetic peptide C-GEEVTTFDYGAPCHKFDVKQ corresponding to amino acids 17-39 within the N-terminal region of human CD192.
External Database Links	<p>UniProt: P41597 Related reagents</p> <p>Entrez Gene: 729230 CCR2 Related reagents</p>
Synonyms	CMKBR2
RRID	AB_2106272
Specificity	<p>Goat anti Human CD192 antibody recognizes an epitope within the N-terminal (NT) region of human CD192, otherwise known as CCR2 (C-C chemokine receptor type 2), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, which acts as a receptor for the chemokines MCP-1 (monocyte chemoattractant protein 1), MCP-3 and MCP-4.</p> <p>Interaction between CD192 and MCP-1 initiates chemotactic responses, through an increase in intracellular calcium levels. CD192 acts as a co-receptor with CD4 for HIV1 infection, and variations in CD192 are associated with relative resistance to HIV1.</p>
ELISA	This product is suitable for use in indirect ELISA applications.
Histology Positive Control Tissue	Spleen.
References	1. Rong, Y. <i>et al.</i> (2021) Small extracellular vesicles encapsulating CCL2 from activated astrocytes induce microglial activation and neuronal apoptosis after traumatic spinal cord injury. J Neuroinflammation. 18 (1): 196.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.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 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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

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