Datasheet: VPA00044K

Description:	CD195 ANTIBODY WITH CONTROL LYSATE
Specificity:	CD195
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	10 Westerns

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

100µl Goat polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
0.5 % Bovine Serum Albumin

Immunogen

Synthetic peptide YQVSSPIYDINYYTSEPCQKINVKQIAA corresponding to amino acids 3-30 within the N-terminal region of human CD195.

External Database Links

UniProt:
P51681 Related reagents

Entrez Gene:
1234 CCR5 Related reagents

Synonyms	CMKBR5
Specificity	**Goat anti Human CD195 antibody** recognizes human CD195, also known as C-C chemokine receptor type 5, CCR5 or C-C CKR-5. CD195 is a 353 amino acid ~37 kDa multiple pass transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, preferentially expressed by a subset of memory Th1 (type 1 helper T) cells. CD195 acts as a high-affinity receptor for several chemotactic chemokines, including MIP-1 alpha (macrophage inflammatory protein 1 alpha), MIP-1 beta, and RANTES (regulated on activation normal T expressed and secreted protein). CD195 is also a major co-receptor for HIV-1 infection, with variations in the CD195 gene, influencing the rate of progression into AIDS (Choe *et al.* 1996). Goat anti Human CD195 antibody detects CD195 as a 37 kDa band, in a number of human cell lysates, by western blotting under reducing conditions. Cross reactivity with rodent cell lines is also observed.
Western Blotting	Goat anti CD195 detects a band of approximately 37 kDa in A549 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg A549 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H_2O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H_2O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet Documentation #10041 for antibody available at https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf Lysate Material Safety Datasheet Documentation #10561 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) HRP

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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