

Datasheet: VPA00044KT

Description:	CD195 ANTIBODY WITH CONTROL LYSATE
Specificity:	CD195
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 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	<p>Reacts with: Mouse, Rat</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
Preparation	20µl Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<p>0.09% Sodium Azide (NaN₃)</p> <p>0.5 % Bovine Serum Albumin</p>
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 H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, 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.

Guarantee

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 #10561 available at:
Antibody (10041): <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>
Lysate Material (10561): <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](#)

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From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

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