

Datasheet: AHP2724

BATCH NUMBER 148101

| | |
|----------------------|---------------------|
| Description: | RABBIT ANTI CD49e |
| Specificity: | CD49e |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 50 µl |

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 | ▪ | | | 1/500 - 1/2000 |

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

Species Cross Reactivity

Reacts with: Rat, Mouse

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.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to CD49e was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 750-1000 of human CD49e

External Database Links

UniProt:
[P08648](#) [Related reagents](#)

Entrez Gene:
[3678](#) ITGA5 [Related reagents](#)

Synonyms FNRA

Specificity **Rabbit anti CD49e antibody** recognizes CD49 antigen-like family member E, also known as integrin alpha-5 (ITGA5), integrin alpha-F and VLA-5. It belongs to the family of cell surface receptors and mediates signal transduction ([Liu et al. 2000](#)). CD49e was shown to regulate proliferation and adipogenic differentiation of human adipose derived stem cells ([Morandi et al. 2016](#)). MicroRNA-205 (miR-205) down-regulates CD49e and this impairs triple negative breast cancer cell metastatic traits by inhibiting the Src/Vav2/Rac1 pathway ([Xiao et al. 2018](#)).

Western Blotting Rabbit anti CD49e antibody detects a band of approximately 135 kDa in various cell and tissue lysates under reducing conditions

Storage Store at -20°C
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

Health And Safety Information Material Safety Datasheet documentation #10049 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP2724>
10049

Regulatory For research purposes only

Related Products

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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