

Datasheet: MCA6314

**BATCH NUMBER 155785**

<b>Description:</b>	RABBIT ANTI CD49d
<b>Specificity:</b>	CD49d
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM268
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/1000 - 1/5000
Western Blotting	▪			1/1000 - 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to the C-terminus of Human CD49d
<b>External Database</b>	<b>UniProt:</b>

## Links

[P13612](#)[Related reagents](#)

### Entrez Gene:

[3676](#)

ITGA4

[Related reagents](#)

## Synonyms

CD49D

## Specificity

**Rabbit anti Human CD49d antibody** recognizes integrin alpha-4 (ITGA4). Integrins are transmembrane alpha-beta heterodimers, expressed on nearly every cell type, which mediate attachment to the extracellular matrix. By regulating membrane traffic, integrins are important regulators of cell proliferation and migration. CD49d is a subunit of integrin alpha, which forms a heterodimer with integrin beta1 (VLA4), the specific marker of hematopoietic cells ([Cho et al. 2018](#)). Overexpression of CD49d has been reported in several cancers ([Darzi et al. 2017](#)). Accordingly, CD49d has been suggested as a prognostic marker in chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma ([Gooden et al. 2018](#)) and glioblastoma ([Cho et al. 2018](#)).

## Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. 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 #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6314>  
10048

## Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

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