

Datasheet: MCA6314

BATCH NUMBER 155785

Description:	RABBIT ANTI CD49d
Specificity:	CD49d
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM268
Isotype:	IgG
Quantity:	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.

	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.

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

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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