

Datasheet: VPA00569

**BATCH NUMBER 160712**

<b>Description:</b>	GOAT ANTI CD49a
<b>Specificity:</b>	CD49a
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin.
<b>Immunogen</b>	Peptide sequence C-DKHDFQDSVRIT

### External Database Links

**UniProt:**  
[P56199](#)    [Related reagents](#)

**Entrez Gene:**

[3672](#) ITGA1 [Related reagents](#)

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**Specificity** **Goat anti Human CD49a antibody** recognizes CD49a also known as integrin alpha-1, CD49 antigen-like family member A, VLA-1, ITGA1, laminin and collagen receptor or very late activation protein 1.

ITGA1 gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted [von Willebrand factor type I domain](#) which is thought to be involved in collagen binding (provided by RefSeq, Jul 2008).

Goat anti Human CD49a antibody detects a band of 150 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti CD49a detects a band of approximately 150 kDa in Raji cell lysates.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00569>  
Antibody (10058)

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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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)  
'M370875:200529'

Printed on 25 Mar 2023