



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Integrin alpha 4 [HP1/2] Standard Size Ab03253-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** HP1/2

**Alternative Name(s) of Target:** CD49d; VLA-4;  $\alpha 4$ ; VLA4; ITGA4;  $\alpha 4\beta 1$ ;  $\alpha 4$  integrin; VLA4 heterodimer ( $\alpha 4\beta 1$ ); Integrin alpha-4; Integrin alpha-IV; VLA-4 subunit alpha; CD49 antigen-like family member D; B1 integrin very late activation antigen-4

**UniProt Accession Number of Target Protein:** P13612

**Published Application(s):** inhibit, IP, Block, FC

**Published Species Reactivity:** Guinea Pig, Human

**Immunogen:**

**Specificity:** This antibody specifically binds epitope B of the alpha 4 chain of human integrin alpha 4 (CD49d). Integrins alpha-4/beta-1 (VLA-4) acts as a receptor for fibronectin and VCAM1. VLA-4 is atypical because it is mostly restricted to lymphoid and myeloid cells, and indirect evidence had suggested that it might be involved in various cell-cell interactions. In addition, VLA-4 has been shown to mediate T and B lymphocyte attachment to the heparin II binding fragment of human plasma fibronectin (FN). This antibody is also reported to cross react with integrin alpha-4/beta-7 ( $\alpha 4\beta 7$ ).

**Application Notes:** This antibody can be used for the immunoprecipitation of VLA-4 from cell lysates (PMID: 2430809). This antibody is also capable of detecting integrin alpha 4 expressed on the surface of Ramos cells by flow cytometry (PMID: 2430809; 1689216). This antibody can also block adherence of CTT leukocytes to recombinant soluble VCAM 1-coated plates in vitro (PMID: 7686922). This antibody can also block the interaction of VLA-4 with fibronectin. This antibody does not cause cell aggregation (PMID: 1709929). This antibody can bind soluble integrin alpha-4 in an ELISA. This antibody also inhibited the binding of PAF-stimulated eosinophils to MAdCAM-1 transfectants. This antibody also inhibited binding of unstimulated eosinophils to soluble recombinant human (rh)VCAM-1 and fibronectin (Fn) (PMID: 8911148).

**Antibody First Published in:** Sánchez-Madrid et al. VLA-3: a novel polypeptide association within the VLA molecular complex: cell distribution and biochemical characterization. Eur J Immunol. 1986 Nov;16(11):1343-9.

[PMID:2430809](#)

**Note on publication:** Describes the generation of eight antibodies against VLA-4 antigen.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.