



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Integrin alpha 4 [HP1/2] Standard Size Ab03253-10.0

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, 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.