



# 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 6 beta 1 [TS2/16] Bulk Size Ab03837-10.3-BT

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

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

**Clone Number:** TS2/16

**Alternative Name(s) of Target:** CD29; Integrin  $\alpha 6\beta 1$ ; Integrin alpha-6/beta-1 (ITGA6:ITGB1); Integrin alpha VI beta 1; ITGA6; CD49F; Integrin alpha-6; CD49 antigen-like family member F; VLA-6; ITGB1; FN1R; MD2; MSK12; Integrin beta-1; Fibronectin receptor subunit beta; Glycoprotein IIa; GPIIA; VLA-4 subunit beta

**UniProt Accession Number of Target Protein:** P23229; P05556

**Published Application(s):** Crystallography, in vitro, in vivo, IP, FC

**Published Species Reactivity:** Human

**Immunogen:**

**Specificity:** The antibody is specific for human integrin alpha 6 beta 1. It does not cross-react with mouse integrin  $\beta 1$ .

**Application Notes:** The antibody immunoprecipitated the 130 kDa  $\beta 1$  form of in U87MG cells. Flow cytometry analysis performed with the antibody confirmed that it could recognise  $\beta 1$ -A172 cells (Bartik et al., 2008; PMID: 18425328). The structure of the Fv-clasp fragment of the antibody was determined. Further, the crystal structure of the  $\alpha 6\beta 1$  headpiece complexed with Fv-clasp was determined (Arimori et al., 2017; PMID: 28919443). The antibody increased integrin  $\beta 1$  in vitro and in vivo (Ritsma et al., 2017; PMID: 28448494)

**Antibody First Published in:** Hemler et al. Glycoproteins of 210,000 and 130,000 m.w. on activated T cells: cell distribution and antigenic relation to components on resting cells and T cell lines. J Immunol June 1, 1984, 132 (6) 3011-3018; PMID:6327814

**Note on publication:** The original paper describes the generation and characterization of the antibody.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.