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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Integrin alpha 6 beta 1 [TS2/16] Standard Size Ab03837-10.3

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

This 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: 100 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.