



# 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

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## Anti-CD81 [Ab10] Standard Size Ab04212-10.3

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 scFv format, created for improved compatibility with existing reagents, assays and techniques.

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

**Clone Number:** Ab10

**Alternative Name(s) of Target:** CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; Tetraspanin-28 (Tspan-28)

**UniProt Accession Number of Target Protein:** P60033

**Published Application(s):** crystallization, FACS, inhibition, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunization of Balb/c and Naval Medical Research Institute (NMRI) mice with CD81 extracellular loop 2 (ECL2) protein.

**Specificity:** This antibody is specific for the large extracellular loop of human CD81.

**Application Notes:** The scFv version of this antibody is based on an anti-CD81 clone whose binding specificity was determined via FACS that was successfully used in an inhibition assay against HCV (Ji et al., 2015; PMID: 25417967). The exact binding site of this antibody was determined via crystallization (Nelson et al., 2018; PMID: 29778602). The scFv version of this antibody was used successfully in FC (Susa et al., 2020; PMID: 32338599).

**Antibody First Published in:** Nelson et al. Structure-Guided Combinatorial Engineering Facilitates Affinity and Specificity Optimization of Anti-CD81 Antibodies J Mol Biol. 2018 Jul 6;430(14):2139-2152. doi: 10.1016/j.jmb.2018.05.018. Epub 2018 May 17 [PMID:29778602](#)

**Note on publication:** The original publication explores the development of antibodies targeting the host antigen CD81 to block hepatitis C viral entry.

## 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.