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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

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Anti-CD81 [Ab10] Standard Size Ab04212-30.11

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

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: Purified by Immobilized Metal Affinity Chromatography

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.