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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Blood group A antigen [AC1001] Bulk Size Ab04235-30.11-BT

This is an scFv fragment with a His tag.

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

Isotype and Format: scFv fragment (His), ScFv

Clone Number: AC1001

Alternative Name(s) of Target: AC-1001

UniProt Accession Number of Target Protein:

Published Application(s): crystallization, Hemagglutination assay, Quantitative precipitin assay, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was produced by immunizing mice with A₁ erythrocytes and with blood group A substance.

Specificity: This antibody is specific for blood group antigen A.

Application Notes: This antibody was used in a quantitative precipitin assay, a hemagglutination assay (HA), inhibition assays (by ELISA). In the HA with human erythrocytes, the antibody reacted with the A₁ and A₂ subtypes (showing double the sensitivity towards the A₁ subtype) (Chen and Kabat, 1985; PMID: 2414276). The structure of the scFv version of this antibody was determined via crystallization (Thomas et al., 2002; PMID: 11679577).

Antibody First Published in: Chen and Kabat. Immunochemical studies on blood groups. The combining site specificities of mouse monoclonal hybridoma anti-A and anti-B J Biol Chem. 1985 Oct 25;260(24):13208-17 PMID:2414276

Note on publication: The original publication explores the specificities of mouse monoclonal hybridoma antibodies targeting blood group A and B antigens.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.