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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Blood group A antigen [AC1001] Standard Size Ab04235-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Mouse IgM, Kappa

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: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

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.