



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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## Anti-N type Glycophorin A [NNA7] Standard Size Ab03281-10.3

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

This reformatted human antibody was made using the variable domain sequences of the original Human Fab format for improved compatibility with existing reagents assays and techniques.

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

**Clone Number:** NNA7

**Alternative Name(s) of Target:** CD235a; Glycophorin-A; GYPA; GPA; PAS-2; N sialoglycoprotein; Sialoglycoprotein alpha; Glycophorin A N antigen; MNS blood group antigen; glycopeptide N blood-group antigen; red blood cell antigen; N-type glycophorin A; N72

**UniProt Accession Number of Target Protein:** P02724

**Published Application(s):** Agglutination reaction, WB, ELISA, IF

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was isolated from light-chain cDNA libraries constructed from mice immunized with N-type glycophorin A. These were inserted into a recombinant pComb3H vector containing the N92 Fd fragment. The N92 Fd fragment: light-chain libraries were panned on N-type glycophorin A or NN red cells.

**Specificity:** This antibody recognizes the human N-type blood-group antigen (MNS blood group) comprised of the N-terminal glycopeptide of glycophorin A (GPA). Glycophorin A is the major sialoglycoproteins and intrinsic membrane protein of the human erythrocyte which bears the antigenic determinants for the MN and Ss blood groups.

**Application Notes:** This antibody is a synthetic clone derives from the parental clone N72 Fab. This antibody is capable of reacting with N-type glycophorin A and NN red cells in an ELISA and an agglutination assay (PMID: 10220261). This antibody is capable of detecting glycophorin A of N-type and glycophorin B in a western blot assay (PMID: 19833240; 9574545). This antibody was also used in the immunofluorescence staining of transfected CHO cells expressing recombinant N-type GPA (PMID: 14962308).

**Antibody First Published in:** Czerwinski et al. A molecular approach for isolating high-affinity Fab fragments that are useful in blood group serology. Transfusion. 1999 Apr;39(4):364-71. [PMID:10220261](#)

**Note on publication:** This paper describes the use of light chain shuffling to generated mutant parental

clones with higher affinity for glycoporphin A.

## Product Form

**Size:** 200 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.