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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-N type Glycophorin A [NNA7] Standard Size Ab03281-10.0

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, 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 glycophorin 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.