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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Alpha Dystroglycan [1G12] Standard Size Ab03276-10.3

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

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

Clone Number: 1G12

Alternative Name(s) of Target: Dystroglycan 1; Dag1; αDG; Alpha-DG; α-DAG; ALPHA DAG; Dystroglycan; Dystrophin-associated glycoprotein 1; A-Dystroglycan; A Dystroglycan; Alpha-dystroglycan; α dystroglycan; α-dystroglycan; 2-1G12-1-26

UniProt Accession Number of Target Protein: Q62165

Published Application(s): WB, ELISA, FC, IF

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant human α-dystroglycan.

Specificity: This antibody specifically binds glycerol phosphate modifying group of human alpha dystroglycan. Alpha-dystroglycan (αDG) is an extracellular peripheral glycoprotein that acts as a receptor for extracellular matrix proteins containing laminin-G domains, and for certain adenoviruses. It is also a receptor for laminin-2 (LAMA2) and agrin in peripheral nerve Schwann cells and a receptor for laminin LAMA5. Defective glycosylation of alpha-dystroglycan is a biological marker for muscular dystrophy-dystroglycanopathy type A (MDDGA1), Walker-Warburg syndrome (WWS), muscle-eye-brain disease (MEB) and Fushan congenital muscle malnutrition (FCMD).

Application Notes: The binding characterization of this antibody towards glycerol phosphate modifying group of alpha dystroglycan was done using ELISA. This antibody can recognize glycerol phosphate modifying group of alpha dystroglycan in an western blot and flow cytometric assay. This antibody can also be used for the immunofluorescence staining of colon cancer tissue (JP2022060048).

Antibody First Published in: PMID:

Note on publication:

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.