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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Beta Dystroglycan [AS30SS_Hu6] Standard Size Ab03277-10.3

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

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

Clone Number: AS30SS_Hu6

Alternative Name(s) of Target: Dystroglycan 1; Dag1; Beta-DG; β-DAG; BETA DAG; Dystroglycan; Dystrophin-associated glycoprotein 1; B-Dystroglycan; B Dystroglycan; Beta-dystroglycan; β dystroglycan; β-dystroglycan; AS30; humanized AS30

UniProt Accession Number of Target Protein: Q14118; Q62165

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

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by immunizing Balb/c and Trianni mice with human beta-dystroglycan. Humanized version was generated by grafting CDRs of parental mouse antibody AS30 onto human framework regions.

Specificity: This antibody recognizes human and mouse beta dystroglycan (β-DAG). The binding of this antibody to beta dystroglycan does not affect its binding to alpha dystroglycan. The Beta-dystroglycan is a transmembrane protein that plays an important role in connecting the extracellular matrix to the cytoskeleton. It plays an important role in linking dystrophin to the laminin-binding alpha-dystroglycan. It acts as a cell adhesion receptor in both muscle and non-muscle tissues. It also functions in cell adhesion-mediated signaling and implicated in cell polarity.

Application Notes: The binding specificity of this antibody for human and mouse beta dystroglycan (beta-DG) was confirmed using ELISA. This antibody is capable of immunoprecipitating both alpha-DG and beta-DG from C2C12 cell lysates, suggesting that the binding epitope of this antibody on beta dystroglycan is different from that of alpha dystroglycan. This antibody can also be used for the identification human beta-DG, mouse beta-DG and recombinant beta dystroglycan in a western blot. This antibody was also used for the immunofluorescent staining of unfixed human and mouse muscle tissues. This antibody was used in combination with anti-laminin-2 antibody C3_Hu10 to generate a duobody called TBTI (US11254737).

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.