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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Islet beta cells autoantigen [H116] Bulk Size Ab03984-10.3-BT

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: H116

Alternative Name(s) of Target: Unknown islet β-cells autoantigen; unknown intraislets autoantigen

UniProt Accession Number of Target Protein:

Published Application(s): IF

Published Species Reactivity: Rat, Human, Mouse

Immunogen: The original antibody was generated from a B lymphocyte islet-infiltrate of a diabetes-resistant but insulinitis-prone (8.3-NODxNOR) F1 mouse.

Specificity: This antibody is specific for an unknown autoantigen (still under investigation, as of 2016), expressed in islet beta cells (also referred to as intraislet).

Application Notes: This antibody recognizes antigenic determinants selectively expressed in islet β-cells of the pancreas, as determined by immunofluorescence (IF) staining; its staining pattern mimics the pattern obtained with anti-insulin antibodies. Furthermore, this antibody was shown to be cross-reactive with stomach and kidney cryosections of NOD.RAG-2^{-/-} mice (Carrillo et al., 2005; PMID: 15616012). This antibody was also used for tissue immunostaining of pancreatic cryosections from NOD.RAG-2^{-/-} mice (Carrascal et al., 2016; PMID: 26639224).

Antibody First Published in: Carrillo et al. Islet-infiltrating B-cells in nonobese diabetic mice predominantly target nervous system elements Diabetes. 2005 Jan;54(1):69-77. doi: 10.2337/diabetes.54.1.69 PMID:15616012

Note on publication: The original publication describes the generation of hybridoma cell lines of islet-infiltrating B-cells from mice with type 1 diabetes and diabetes-resistant mice, and the characterization of the tissue specificity of the antibodies produced by these hybridomas.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.