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Produktinformation



Forschungsprodukte & Biochemikalien



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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-Insulin receptor [BBBB138] Bulk Size Ab03960-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: BBBB138

Alternative Name(s) of Target: IR

UniProt Accession Number of Target Protein: P06213

Published Application(s): in vitro, in vivo, SPR, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from a human phage display library by panning against IR.

Specificity: The antibody is specific for the insulin receptor. The antibody recognises both short isoform (IR-A) and a long isoform (IR-B). The epitope of the antibody does not overlap with the insulin binding site.

Application Notes: The specificity of the antibody for IR was determined by ELISA analysis. The binding affinity of the antibody to IR-A and IR-B was measured by surface plasmon resonance ($K_d = 2.57$ and 2.98 nM respectively). The antibody blocked insulin induced IR phosphorylation in a dose-dependent manner on HuH7 cells. The antibody effectively decreased insulin induced glucose uptake at concentrations of 1 nM and 10 nM in vitro. The antibody induced hyperglycemia in C57 mice in in vivo experiments.

Antibody First Published in: [PMID:](#)

Note on publication:

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.