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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-GDF15 [MBM-12] Bulk Size Ab03701-30.11-BT

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: MBM-12

Alternative Name(s) of Target: MIC-1; GDF-15 MIC1; PDF; PLAB; PTGFB; NAG-1; NRG-1; NAG1; NRG1; Growth/differentiation factor 15; growth and differentiation factor 15; Macrophage inhibitory cytokine 1; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; Placental TGF-beta; Placental bone morphogenetic protein; Prostate differentiation factor

UniProt Accession Number of Target Protein: Q99988

Published Application(s): functional assay, inhibit, ELISA

Published Species Reactivity: Human

Immunogen: This antibody was isolated from a human single chain Fv (scFv) phage library using phage display technology. The library was generated from the mRNA obtained from the spleen of an immunized mouse injected with recombinant human GDF-15 protein.

Specificity: This antibody binds the human growth/differentiation factor 15 (GDF-15) also known as macrophage inhibitory cytokine 1. GDF-15 is a divergent member of the transforming growth factor- β (TGF- β) superfamily. While physiological expression is barely detectable in most somatic tissues in humans, GDF-15 is abundant in placenta. It regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses. Highly elevated GDF-15 levels are mostly linked to pathological conditions including inflammation, myocardial ischemia, and notably cancer. GDF-15 is widely explored as a biomarker for disease prognosis.

Application Notes: The binding characterization of this antibody was done using ELISA. This antibody was reported to inhibit tube formation of HUVEC cells and branching of arterial sections. This antibody can effectively block the angiogenesis-inducing function of MIC-1 (KR101346181).

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

Note on publication:

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.