



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-GDF15 [MBM-12] Bulk Size Ab03701-10.3-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 scFv format, created for improved compatibility with existing reagents, assays and techniques.

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

**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- $\beta$  (TGF- $\beta$ ) 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:** 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.