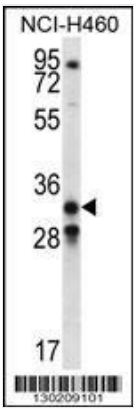
GDF15 Antibody – Rabbit Polyclonal

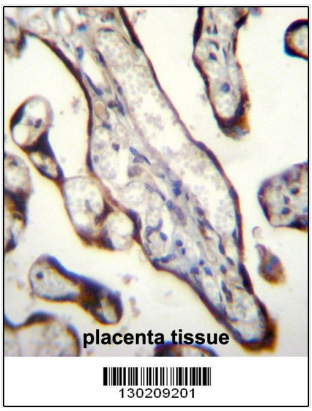
PRODUCT OVERVIEW

Product Name	GDF15, Polyclonal Antibody
Full Product Name	GDF15, NT (GDF15, MIC1, PDF, PLAB, PTGFB, Growth/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 differentiatio
Product Gene Name	anti-GDF15 antibody
Product Synonym Names	GDF15; MIC1; PDF; PLAB; PTGFB; Growth/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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,140 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (18496968..18499986). Location: 19p13.11
OMIM	605312
3D Structure	ModBase 3D Structure for Q99988
Immunogen	GDF15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-79 amino acids from the N-terminal region of human GDF15.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GDF15 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-GDF15 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-GDF15 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:10-50 WB: 1:100-500 Applications are based on unconjugated antibody.

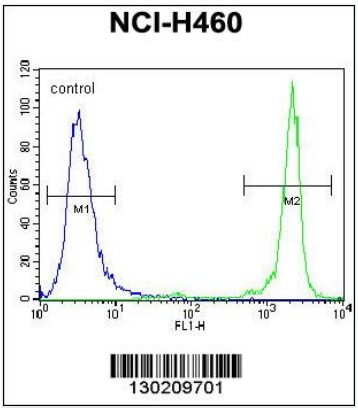
Related Product Information for anti-GDF15 antibody	Bone morphogenetic proteins (e.g., BMP9; MIM 605120) are members of the transforming growth factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maintenance. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.
Product References and Citations for anti-GDF15 antibody	Anand, I.S., et al. Circulation 122(14):1387-1395(2010). Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Staff, A.C., et al. Gynecol. Oncol. 118(3):237-243(2010). Roth, P., et al. Clin. Cancer Res. 16(15):3851-3859(2010). Huh, S.J., et al. Am. J. Pathol. 176(6):2948-2957(2010).
Other Notes	Small volumes of anti-GDF15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GDF15 purchase	MBS6301796 is an antibody targeting GDF15. Also known as GDF15, NT (GDF15, MIC1, PDF, PLAB, PTGFB, Growth/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 differentiatio. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GDF15 antibody
GDF15 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the GDF15 antibody detected the GDF15 protein (arrow).



Immunohistochemistry (IHC) of anti-GDF15 antibody
GDF15 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GDF15 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-GDF15 antibody
GDF15 Antibody (N-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GDF15. It may not necessarily be applicable to this product.

NCBI GI #	153792495
NCBI GeneID	9518

NCBI Accession #	NP_004855.2
UniProt Primary Accession #	Q99988
UniProt Secondary Accession #	O14629; P78360; Q9BWA0; Q9NRT0
UniProt Related Accession #	Q99988
GenBank Nucleotide #	NM_004864.2
NCBI Official Full Name	growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	GDF15
NCBI Official Synonym Symbols	PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15
UniProt Protein Name	Growth/differentiation factor 15
UniProt Synonym Protein Names	Macrophage inhibitory cytokine 1; MIC-1; NSAID-activated gene 1 protein; NAG-1; NSAID-regulated gene 1 protein; NRG-1; Placental TGF-beta; Placental bone morphogenetic protein; Prostate differentiation factor
Protein Family	Growth/differentiation factor
UniProt Gene Name	GDF15
UniProt Synonym Gene Names	MIC1; PDF; PLAB; PTGFB; GDF-15; MIC-1; NAG-1; NRG-1
UniProt Entry Name	GDF15_HUMAN
NCBI Protein Information	growth/differentiation factor 15; NRG-1; PTGF-beta; placental TGF-beta; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; prostate differentiation factor; macrophage inhibitory cytokine 1; placental bone morphogenetic protein; NSAID (nonster
UniProt Comments for GDF15	GDF15: disulfide-linked. Belongs to the TGF-beta family. Protein type: Secreted; Secreted, signal peptide; Cytokine Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; cytokine activity; transforming growth factor beta receptor binding Biological Process: regulation of apoptosis; cell-cell signaling; transforming growth factor beta receptor signaling pathway; regulation of MAPKKK cascade; signal transduction; cell development
Research Articles on GDF15	**1.** Our study suggests that GDF15 induction helps suppress further activation of macrophages in stressful physiologic states as hemophagocytic lymphohistiocytosis...resulting in enhanced ferroportin-mediated iron efflux.
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