Mouse Monoclonal Antibody Anti Human GDF15(A15)

Mouse Monoclonal Antibody, Clone A15

Catalog Number: 21980-A Size: 100 ug Host: Mouse Isotype: Mouse IgG1

Description

Mouse Monoclonal Antibody Anti-Human GDF15 (Clone A15) is a monoclonal antibody developed to specifically recognize human Growth Differentiation Factor 15 (GDF15), a secreted cytokine belonging to the transforming growth factor-β (TGF-β) superfamily. GDF15 is widely induced in response to cellular stress, inflammation, tissue injury, and metabolic imbalance, and plays important roles in regulating energy homeostasis, immune responses, and cell survival.
Circulating GDF15 levels are elevated in various pathological conditions, including cardiovascular diseases, cancer, metabolic disorders, and mitochondrial dysfunction. Due to its strong association with disease progression and systemic stress responses, GDF15 has emerged as an important biomarker in both basic research and clinical studies.
Clone A15 is suitable for immunoassay development and analytical workflows requiring detection and quantification of soluble GDF15 in biological matrices such as serum, plasma, or cell culture supernatants. Depending on assay configuration and epitope accessibility, Clone A15 may also support functional studies where inhibition of GDF15 activity is required (format- and condition-dependent). Clone A15 competitively inhibits GDF15 binding to GFRAL, thereby preventing receptor engagement and downstream signaling.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Host Species	Mouse
Formulation	PBS pH 7.4
Preparation	The antibody was purified by affinity chromatography under optimal conditions.
Concentration	1 mg/mL
Storage & Handling	The antibody should be stored in -80 °C.
Application	Suitable for GDF15 immunoassay development and detection of human GDF15 in biological samples.
Recommended Usage	This antibody specifically recognizes human GDF15 and can be used for the detection of endogenous GDF15 in serum, plasma, or cell culture supernatants.

Product Data

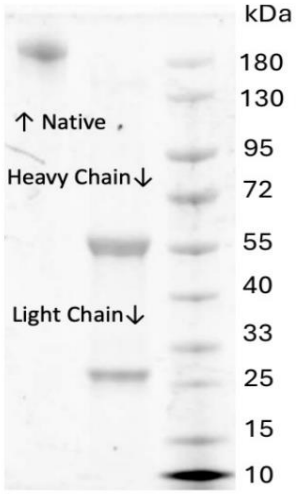
Indirect ELISA Result

- Antigen Coating Human GDF15 protein 1 µg/mL
- Primary Antibody Mouse Monoclonal Anti-Human GDF15 (A15)
- Secondary Antibody HRP-conjugated Anti-Mouse IgG (H+L), 1:5000
- Substrate TMB, 5 minutes

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STD	OD450
1	OVERFLOW
1/4	OVERFLOW
$1/4^2$	OVERFLOW
$1/4^3$	1.93
$1/4^4$	1.02
$1/4^5$	0.512
$1/4^6$	0.245
Blank	0.195

SDS-PAGE



SDS-PAGE
6ug

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