

Anti-h GDF-15 4903 SPTN-5

Product overview

Catalog number	100836
Specificity	Antibody recognizes human growth differentiation factor 15 (GDF-15)
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	Growth differentiation factor 15 (GDF-15) is a stress responsive cytokine having elevated expression levels during tissue injury and inflammatory states. Increased GDF-15 levels are associated with cardiovascular diseases such as heart failure and atherosclerosis, and also with chronic kidney disease and cancer.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10%)
Immunoreactivity	80–120% compared to the reference sample in an FIA test
IEF Profile	5.8–7.0
Purity	≥ 95 %

Kinetic parameters

Association rate constant	7.9×10^5 1/Ms
Dissociation rate constant	Does not dissociate
Affinity constant	K _A = Not Applicable (N/A) K _D = Not Applicable (N/A)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human GDF-15, R&D Systems (Cat 8146-GD/CF)



Cross-reactivities

Does not recognize GDF-9, GDF-11, TNF-beta, TGF-beta or CRP

Epitope

Not Determined (N/D)

Pair recommendations

		DETECTION				
		4901	4902	4903	4904	4905
CAPTURE	4901	-	-	+	+	+
	4902	-	-	+	+	+
	4903	+	+	-	-	-
	4904	+	+	-	-	-
	4905	+	+	-	-	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested

FIA, CLIA

Antigens tested

N/D

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

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References

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