

PRODUCT SPECIFICATIONS

Name	Anti-h GDF-15 4905 SPTN-5
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 code	100838
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
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	6.0–7.2
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

Legal disclaimer

Medix Biochemica products meet their specifications if transported, stored and used according to the instructions. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission.

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Cross-reactivities

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

Epitope

N/D

Pair recommendations

		DETECTION		
		4901	4904	4905
CAPTURE	4901	-	+	+
	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.

Antibodies have been tested in FIA and CLIA applications.

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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