

PRODUCT SPECIFICATIONS

Name	Anti-h Galectin-3 10301 SPTN-5
Specificity	Antibody recognizes human galectin-3
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100730
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	Galectin-3 (Mac-2 antigen, IgE-binding protein, L-29, or CBP30) is a soluble lectin that binds to β-galactoside sugars found on several proteins. It is a pro-inflammatory and pro-fibrotic marker involved in fibrosis of various organs, including heart, vessels, lungs, liver, and kidneys. Its expression is upregulated in chronic inflammatory diseases, heart failure, hypertension and atherosclerotic lesions, and it is involved in several pathophysiological processes including cancer, liver cirrhosis, and diabetes mellitus.

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	6.1 - 6.6
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 No cross-reactivity with Galectin-1, Galectin-9, or Galectin-3-binding protein

Epitope N/D

Pair recommendations	CAPTURE ANTIBODY	DETECTION ANTIBODY
	10301 10302, 10303, 10304, 10305	10302, 10303, 10304, 10305 10301

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.

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 -

References -