

PRODUCT SPECIFICATIONS

Name	Anti-h Galectin-3 10305 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	100734
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	6.3 - 6.7
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

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Cross-reactivities

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

Epitope

Located in the amino acid region A66 – T104

Pair recommendations

CAPTURE ANTIBODY
10305
10301, 10302, 10303

DETECTION ANTIBODY
10301, 10302, 10303
10305

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

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References

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