

Anti-h GP73 NA001705 SPTN-5

Product overview

Catalog number	C-10-0081
Specificity	Antibody recognizes human golgi protein 73 (GP73)
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9% NaCl, 0.1% ProClin™ 300 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	Mouse IgG ₁
Analyte description	GP73 is a type II Golgi transmembrane protein with a molecular weight of 73 KDa mainly expressed in epithelial cells. The expression of GP73 in normal liver tissue is low. But, serum GP73 detection has important clinical value for the early diagnosis of HCC and can be used as a biomarker for many other liver diseases, e.g. hepatitis C virus infection, hepatitis B virus- related cirrhosis and HCC, alcoholic hepatitis and autoimmune hepatitis, etc. GP73 can also be used in conjunction with methods such as liver stiffness measurement to evaluate the degree of liver fibrosis and sclerosis.

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 a CLIA test
IEF Profile	Not Determined (N/D)
Purity	≥ 95%

Kinetic parameters

Association rate constant	N/D
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-



Cross-reactivities -

Epitope N/D

Pair recommendations

		DETECTION			
		NA001703	NA001704	NA001705	NA001706
CAPTURE	NA001703	-	+	+	+
	NA001704	+	-	+	+
	NA001705	+	+	-	-
	NA001706	+	+	-	-

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 ELISA, CLIA

Antigens tested -

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 -

