

Anti-h Collagen IV NA000709 SPTN-5

Product overview

Catalog number	C-10-0032
Specificity	Antibody recognizes human Collagen IV
Description	Recombinant chimeric antibody containing variable region from mouse IgG and constant region from human IgG1, 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	Human IgG ₁
Analyte description	Collagen IV is a major component of basal membrane. There may contain 3 different major degradation fragments, amine terminal 7S collagen, carboxyl terminal NCL collagen and the main triple helix zone in the serum. In a normal liver, no basal membrane is present in the Disse gaps, type IV collagen concentration is very low. However, during the fibrosis process from hepatitis through to cirrhosis, the formation of basal membrane occurs in Disse gaps. Meanwhile, type IV collagen concentration in liver tissue and blood stream increases accordingly.

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
IEF Profile	N/D
Purity	≥ 95 %

Kinetic parameters

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



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Cross-reactivities -

Epitope N/D

Pair recommendations

		DETECTION				
		NA000704	NA000705	NA000706	NA000709	NA000712
CAPTURE	NA000704	-	+	+	-	+
	NA000705	-	-	+	-	+
	NA000706	-	+	-	-	+
	NA000709	-	+	+	-	+
	NA000712	+	+	+	-	-

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	N/D
	-20 °C, 21 days	N/D
	+4 °C, 21 days	N/D
	+35 °C, 21 days	N/D
	+35 °C, 7 days	OK
	+45 °C, 7 days	Reduced homogeneity

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 -

