

PRODUCT SPECIFICATIONS

Date: 2011-08-12

PRODUCT NAME	: Anti-h Albumin 6501 SPRN-1
PRODUCT SPECIFICITY	: Antibody recognizes human Albumin
PRODUCT CODE	: 100063
PRODUCT BUFFER	: 37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	: 24 months from manufacturing at 2-8 °C
ANALYTE DESCRIPTION	: Albumin normally constitutes about 60% of human plasma proteins and is produced in the liver. It is important in regulating blood volume by maintaining the oncotic pressure. It also serves as carriers for molecules of low water solubility, including lipid soluble hormones, bile salts, unconjugated bilirubin, free fatty acids, and drugs. Low albumin (hypoalbuminemia) may be caused by liver disease, nephrotic syndrome, burns, protein-losing enteropathy, malabsorption, malnutrition, late pregnancy, genetic variations and malignancy. High albumin (hyperalbuminemia) is almost always caused by dehydration.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	: Clear liquid
PRODUCT CONCENTRATION	: 1.00 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	: 80-120 % compared to reference in an IFMA-test
IEF-RANGE	: 5.8 - 7.1
PURITY	: ≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	: IgG ₁
ASSOCIATION CONSTANT	: N/D
DISSOCIATION CONSTANT	: N/D
AFFINITY CONSTANT	: 3 x 10 ⁹ l/mol
DETERMINATION METHOD	: Radioimmunoassay (RIA)
ANTIGEN	: Albumin, Sigma (Cat NoA-8763 Lot 46F-9380)
CROSS-REACTIVITIES	: AFP < 0.8 % (Aalto Bioreagents Cat No AE 3005 Lot 018)

EPITOPE : N/D

EPITOPE GROUP : -

Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

PAIR RECOMMENDATIONS	SOLID	LABEL

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

PRODUCT STABILITY	TEMPERATURE, DAYS	RESULT
	-20 °C, 21 days	N/D
	+4 °C, 21 days	N/D
	+25 °C, 21 days	N/D
	+35 °C, 7 days	N/D
	+35 °C, 21 days	N/D
	+45 °C, 3 days	N/D
	+45 °C, 7 days	N/D

Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

pH, 14 DAYS, +4 °C	RESULT
5.0	N/D
6.0	N/D
7.0	N/D
8.0	N/D

Stability testing is performed to see whether pH affects the antigen binding, charge or composition of the antibody during 14 days at +4 °C.

MISCELLANEOUS : -

REFERENCES : -

Legal disclaimer

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