abcam

Product datasheet

Native Human Serum Albumin protein (Rhodamine) ab8031

1 References

Description

Product name	Native Human Serum Albumin protein (Rhodamine)
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human
Predicted molecular weight	69 kDa
Conjugation	Rhodamine. Ex: 550nm, Em: 570nm
Description	Native Human Human Serum Albumin protein (Rhodamine)

Specifications

Our **Abpromise guarantee** covers the use of **ab8031** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Dot blot Flow Cytometry Immunomicroscopy
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C. Avoid freeze / thaw cycle. Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 1% BSA
Reconstitution	Store vial at 4° C prior to restoration. Restore with 1.0 mL of deionized water.

General Info

Function	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.
Tissue specificity	Plasma.
Involvement in disease	Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.
Sequence similarities	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
Post-translational modifications	Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylation sites are present in the extracelllular medium. Acetylated on Lys-223 by acetylsalicylic acid.
Cellular localization	Secreted.

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