

Product datasheet

Native Guinea pig Albumin protein ab198665

1 Image

Description

Product name	Native Guinea pig Albumin protein
Purity	>= 93 % SDS-PAGE.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Guinea pig
Predicted molecular weight	66 kDa
Additional sequence information	Prepared from guinea pig plasma obtained from a USDA certified collection center.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab198665** in the following tested applications.

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

Applications	SDS-PAGE
Form	Lyophilised

Preparation and Storage

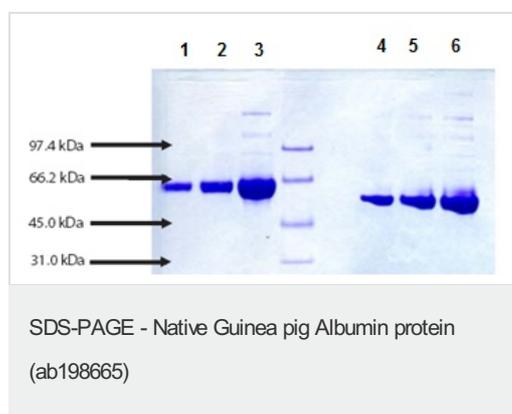
Stability and Storage	Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.
Reconstitution	We suggest the addition of de-ionized H2O to the original volume, followed by gentle swirling and/or vortexing to ensure adequate homogenization. If further dilution is required, we suggest using the lyophilization buffer.

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.
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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 extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid.
Cellular localization	Secreted.

Images



SDS PAGE analysis of ab198665:

Lane 1: 5 µg, under reduced and heated conditions;

Lane 2: 10 µg, under reduced and heated conditions;

Lane 3: 20 µg, under reduced and heated conditions.

Lane 4: 5 µg, under non reduced and heated conditions;

Lane 5: 10 µg, under non reduced and heated conditions;

Lane 6: 20 µg, under non reduced and heated conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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