abcam

Product datasheet

Native Mouse Albumin protein (Azide free) ab183228

3 References

Description

Product name	Native Mouse Albumin protein (Azide free)
Purity	> 95 % SDS-PAGE.
Expression system	Native
Accession	P07724
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Mouse
Sequence	EAHKSEIAHRYNDLGEQHFKGLVLIAFSQYLQKCSYDEHA KLVQEVTDFA KTCVADESAANCDKSLHTLFGDKLCAIPNLRENYGELADC CTKQEPERNE CFLQHKDDNPSLPPFERPEAEAMCTSFKENPTTFMGHYL HEVARRHPYFY APELLYYAEQYNEILTQCCAEADKESCLTPKLDGVKEKAL VSSVRQRMKC SSMQKFGERAFKAWAVARLSQTFPNADFAEITKLATDLTK VNKECCHGDL LECADDRAELAKYMCENQATISSKLQTCCDKPLLKKAHC LSEVEHDTMPA DLPAIAADFVEDQEVCKNYAEAKDVFLGTFLYEYSRRHPD YSVSLLLRLA KKYEATLEKCCAEANPPACYGTVLAEFQPLVEEPKNLVK TNCDLYEKLGE YGFQNAILVRYTQKAPQVSTPTLVEAARNLGRVGTKCCTL PEDQRLPCVE DYLSAILNRVCLLHEKTPVSEHVTKCCSGSLVERRPCFSA LTVDETYVPK EFKAETFTFHSDICTLPEKEKQIKKQTALAELVKHKPKATA EQLKTVMDD FAQFLDTCCKAADKDTCFSTEGPNLVTRCKDALA
Predicted molecular weight	66 kDa
Amino acids	25 to 608

Additional sequence information	Purified from Mouse plasma.

Specifications

Our **Abpromise guarantee** covers the use of **ab183228** 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	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle. Salt free
Reconstitution	Add deionized water or buffer to desired volume, aliquot and freeze unused portion.

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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