

Recombinant Dog Serum albumin(ALB)

Catalog No: #AP70029

Package Size: #AP70029-1 20ug #AP70029-2 100ug #AP70029-3 1mg

Description

Product Name	Recombinant Dog Serum albumin(ALB)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-608aaSequence Info:Full Length
Other Names	Allergen: Can f 3
Accession No.	P49822
Calculated MW	69.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EAYKSEIAHRYNDLGEEHFRGLVLVAFSQYLQQCPFEDHVKLAKEVTEFAKACAAEESGANCDKSLHTLFGDK LCTVASLRDKYGDMADCCEKQEPDRNECFLAHKDDNPGFPPLVAPEPDALCAAFQDNEQLFLGKLYEIIARR HPYFYAPELLYYAQKYKGVFAECCQAADKAACLGPKIEALREKVLSSAKERFKCASLQKFGDRAFKAWSVA RLSQRFPAKADFAEISKVVTDLTKVHKECCHGDLLECADDRADLAKYMCENQDSISTKLKECCDKPVLEKSQCL AEVERDELPGDLPSLAADFVEDKEVCKNYQEAKDVFGLTFLYEYARRHPEYSVSLLLRLAKEYEATLEKCCAT DDPPTCYAKVLDEFKPLVDEPQNLVKTNCELFEKLGEYGFQNALLVRYTKKAPQVSTPTLVEVSRKLGKVGTK CCKKPESERMSCAEDFLSVVLNRLCVLHEKTPVSEKTKCCSESLVNRRCFSGLEVDETYVPKEFNAETFTF HADLCTLPEAEKQVKKQTALVELLKHKPKATDEQLKTVMGDFGAFVEKCCAENKEGCFSEEGPKLVAAAQA ALV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca²⁺, 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.

References

Hilger C. Escherichia coli expression and purification of recombinant dog albumin, a cross-reactive animal allergen.Pandjaitan B., Swoboda I., Brandejsky-Pichler F., Rumpold H., Valenta R., Spitzauer S.J. Allergy Clin. Immunol. 105:279-285(2000)Research Topic:Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.