abcam

Product datasheet

Anti-Human Serum Albumin antibody [1C8] ab10243

Overview

Product name	Anti-Human Serum Albumin antibody [1C8]
Description	Mouse monoclonal [1C8] to Human Serum Albumin
Host species	Mouse
Specificity	There is no cross-reactivity with other human proteins tested or with bovine serum albumin and egg white albumin.
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Human **Does not react with:** Cow
Immunogen	Human serum albumin.
General notes	Concentration varies from lot to lot and can be provided on request.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
Purity	Protein A purified
Purification notes	Purity tested by electrophoresis.
Clonality	Monoclonal
Clone number	1C8
Myeloma	Sp2/0
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab10243** in the following tested applications.

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

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution. (capture, detection), produces sensitive assay system with rapid kinetics (10-15 minutes) for albumin in human urine.

Target

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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