

## Product datasheet

# Native Human Serum Albumin protein (FITC) ab8030

## 9 References

### Description

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<b>Product name</b>	Native Human Serum Albumin protein (FITC)
<b>Expression system</b>	Native
<b>Accession</b>	<b><u>P02768</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Human
<b>Predicted molecular weight</b>	69 kDa
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Description</b>	Native Human Human Serum Albumin protein (FITC)

### Specifications

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Our **Abpromise guarantee** covers the use of **ab8030** in the following tested applications.

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

<b>Applications</b>	Dot blot Western blot
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Fluorochrome/Protein Ratio: 1.5 moles FITC per mole of Human Albumin. AB8030 contains Polyethylene glycol at 10 mg/mL as a stabilizer.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at 4°C prior to reconstitution. Store at -20°C long term. Avoid freeze / thaw cycle. Reconstitute for long term storage. Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 1% Polyethylene glycol
<b>Reconstitution</b>	Reconstitute with 1.0 mL of deionized water

## General Info

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<b>Function</b>	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.
<b>Tissue specificity</b>	Plasma.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Secreted.

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