

## Product datasheet

# Alkaline Phosphatase Anti-Human Serum Albumin antibody ab19181

### 1 References

#### Overview

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<b>Product name</b>	Alkaline Phosphatase Anti-Human Serum Albumin antibody
<b>Description</b>	Alkaline Phosphatase Goat polyclonal to Human Serum Albumin
<b>Host species</b>	Goat
<b>Conjugation</b>	Alkaline Phosphatase
<b>Specificity</b>	By immunoelectrophoresis and ELISA this antibody reacts specifically with human albumin.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, ICC, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length protein corresponding to Human Human Serum Albumin. Serum albumin Database link: <a href="#">P02768</a>
<b>General notes</b>	<p>Molar enzyme:antibody protein ratio is 1:1.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 6.8</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 0.00136% Zinc chloride, 0.0095% Magnesium chloride, 1.19% HEPES, 0.58% Sodium chloride, 0.2% BSA</p>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was isolated by affinity chromatography using antigen coupled to agarose beads

and conjugated to alkaline phosphatase (alkphos).

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab19181 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
<b>ELISA</b>		Use at an assay dependent concentration.
<b>ICC</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration.

## Target

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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.

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

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