



Datasheet for ABIN102231

Donkey anti-Sheep IgG (Heavy & Light Chain) Antibody (Alkaline Phosphatase (AP)) - Preadsorbed



[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Sheep
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Sheep IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Details

Target Type:	Antibody
Background:	<p>Synonyms: Donkey Anti-Sheep IgG alkaline phosphatase Conjugated Antibody, Donkey Anti-Sheep IgG Antibody Alk phos Conjugation</p> <p>Background: Anti-Sheep IgG (H&L) generated in donkey detects sheep Immunoglobulin G. Both the Heavy and Light chains of the antibody molecule are present. Representing approximately 75 % of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-Sheep IgG is conjugated to alkaline phosphatase.</p>

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:200 - 1:1,000</p> <p>Application Note: This product has been assayed against 1.0 µg of Sheep IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:14,000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:2,000 - 1:10,000</p> <p>Western Blot Dilution: 1:500 - 1:2,500</p>
--------------------	---

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:

Do not freeze! Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

Do not add Sodium azide.

Dilute only prior to immediate use

Each reagent is stable for the period shown on the bottle label if stored as directed.

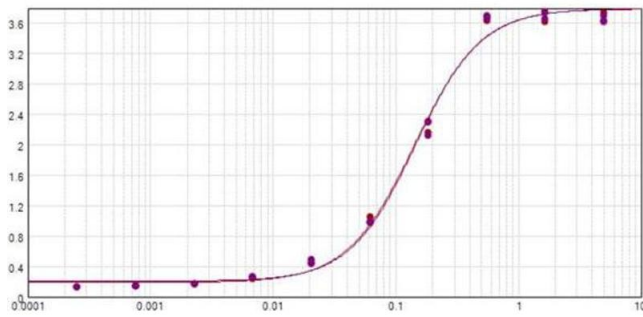
Storage:

4 °C

Expiry Date:

12 months

Images



ELISA

Image 1. ELISA results of purified Polyclonal Donkey Anti-Sheep IgG Antibody Alkaline Phosphatase Conjugated tested against Sheep IgG. Each well was coated in duplicate with 1.0µg of antigen. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Buffer and Substrate .