

Donkey F(ab')₂ anti-Human IgG (H+L)-Alk. Phos., MinX Bo,Ck,Go,Gp,Hm,Ho,Ms,Rb,Rt,Sh

General Information

Catalog Number: SEC-183765	Physical State: Liquid (sterile filtered)
Quantity: 0,5 mg	Reconstitution Volume:
	Reconstitution Buffer:
	Shipping Conditions: Wet Ice
	Product Expiration: Expiration date is one (1) year from date of opening.

Antibody Host / Format

Host Species: Donkey	Clonality / Isotype / Clone: polyclonal Ig
Antibody Format: IgG F(ab') ₂ Fragment	Concentration: 1.0 mg/mL by UV absorbance at 280 nm
	Conjugation: Alkaline Phosphatase
	Maximum Excitation / Emission: /

Specificity

Target Species: Human	Immunogen: Human IgG whole molecule
Antibody Specificity: IgG (H+L)	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Donkey Serum, Human IgG and Human Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c) or Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Mouse, Rabbit, Rat, and Sheep Serum Proteins.
	Minimal Cross Reactivity: Bovine, Chicken, Goat, Guinea Pig, Hamster generally, Horse, Mouse, Rabbit, Rat, Sheep

Formulation, Transport and Storage

Storage 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	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Stabilizer: None	Storage Temperature: 4-8°C
Preservatives: None	

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

Manufacturer

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Management System
ISO 9001:2015
www.tuv.com
ID 9000019771



Application Recommendation

Application: ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Western Blot

Dilution: ELISA 1:2.000-1:10.000, Immunohistochemistry (IHC) 1:100-1:1,000, Western Blot (WB) 1:500-1:2.500

Application Note:

F(ab')₂ Anti-Human IgG (H&L) Alkaline Phosphatase Antibody is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. This product has been assayed against 1.0 µg of Human 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

Background Information

F(ab')₂ Anti-Human IgG (H&L) Alkaline Phosphatase Antibody generated in donkey detects immunoglobulin g from human, both heavy and light chains of the antibody molecule are present. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, 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. F(ab')₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Safety Information

The product contains no hazardous constituents. Standard Laboratory Practices should be followed when handling this material.

Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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