



Anti-Sheep IgG Fc polyclonal antibody [AP] (DPAB22573)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-IgG Polyclonal Antibody
Target	IgG
Immunogen	Sheep IgG F(c) fragment
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Sheep
Purification	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single
Conjugate	AP
Applications	WB, ELISA
Format	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Size	500 µg
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
Preservative	None

Storage	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.
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Ship	Wet Ice
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BACKGROUND

Introduction	Immunoglobulins belong to a group of related glyco proteins which make up 20% of serum proteins. Antigens and immunoglobulins react to confer immunity to individuals. Immunoglobulins have similar structures of two identical heavy chains and two identical light chains. Both the heavy chains and the light chains are divided into constant and variable regions. The constant regions have the same amino acid sequences between all the immunoglobulin classes. The variable regions have approximately 110 amino acids with high sequence variability. The amino acid sequence of the heavy chain determines the class of an immunoglobulin. The five types of immunoglobulin heavy chains are known as: IgG, IgA, IgM, IgD, and IgE. IgG is divided into four subclasses, and IgA is divided into two subclasses. In serum IgA and IgG are monomers with a single 4 polypeptide unit; while, IgM is a pentamer. IgA may also form polymers. Kappa light chain antibody can be used for the identification of leukemias, plasmacytomas and certain non Hodgkin's lymphomas. Kappa light chain contains one immunoglobulin like domain. The EU sequence has the INV allotypic marker, Ala 45 and Val 83. The ROY sequence has the INV allotypic marker, Ala 45 and Leu 83.
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Keywords	Anti-Mouse IgG PAb; Donkey Anti-Mouse Immunoglobulin G Polyclonal Antibody; Ig gamma2chain C region; IGHG1; Immunoglobulin heavy constant gamma 1; Immunoglobulin G; IgG; IgG;DKFZp686I04196; G2m marker; Ig gamma 2 chain C region; IGHG 2; IGHG2; Immunoglobuli
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