Rabbit F(ab')2 Anti Goat IgG (H/L) Polyclonal Antibody, AP

DPBT-67072RA Rabbit(IgG)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit F(ab')2 Anti Goat IgG (H/L),AP
Host	Rabbit
Isotype	Polyclonal IgG
Species	Goat
Conjugation	AP
Applications	IHC, ELISA, IB, WB
Dilution	ELISA: 1/2,000 - 1/4,000

PACKAGING

Format	Purified IgG conjugated to Alkaline Phosphatase - liquid
Buffer	TRIS buffered saline, 1mM MgCl2
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.09% Sodium azide50% Glycerol
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	Immunoglobulin G (IgG) are antibody molecules. Each IgG is composed of four peptide chains - two heavy chains γ and two light chains. Each IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. IgG molecules are synthesized and secreted by plasma B cells. IgG antibodies are large molecules of about 150 kDa composed of 4 peptide chains. It contains 2 identical heavy chains of about60kDa and 2 identical light chains of about 25 kDa, thus a tetrameric quaternary structure. The two heavy chains are linked to each other and to a light chain each by disulfide bonds. The resulting tetramer has two identical halves, which together form the Y-like shape. Each end of the fork contains an identical antigen binding site. The Fc regions of IgGs bear a highly conserved N-glycosylation site. The N-glycans attached to this site are predominantly core-fucosylated diantennary structures of the complex type. In addition, small amounts of these N-glycans also bear bisecting GlcNAc and α-2,6-linked sialic acid residues.
Keywords	Ig gamma 1 chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G; IgG; IgG heavy chain; Immunoglobulin G heavy chain

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