



GOAT ANTI-HUMAN IgG, IgM and IgA HRP CONJUGATED SECONDARY ANTIBODY

CATALOG NUMBER:	AP120P	QUANTITY:	2 mL
LOT NUMBER:			
EPITOPE:	Human IgG, IgM and IgA	HOST/ISOTYPE:	Goat
BACKGROUND:	IgG is the most abundant immunoglobulin comprising two heavy chains and two light chains. Each molecule has two antigen binding sites. IgG has 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%). IgM constitutes about 10% of serum immunoglobulins. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces.		
SPECIFICITY:	The antibody reacts with human IgG, IgM and IgA. May also react with the light chains of other human immunoglobulins.		
APPLICATIONS:	<u>EIA</u> : 1:5,000-1:100,000. <u>Western blots</u> : 1:5,000-1:200,000. <u>Immunohistochemistry</u> : 1:500-1:5,000. <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Reacts with human IgG, IgM and IgA. Reactivity with other species has not been determined.		
IMMUNOGEN:	Prepared from purified human IgG, IgM and IgA.		
PRESENTATION:	Purified by immunoaffinity chromatography using antigen coupled to agarose beads. Lyophilized. Buffer is 0.01 M Sodium Phosphate, 0.25 M NaCl, pH 7.6 with 15 mg/mL BSA. Contains no preservative.		
STORAGE/HANDLING:	Maintain lyophilized product at 2°-8°C for up to 12 months from date of receipt. After reconstitution the product is stable for six weeks at 2°-8°C as an undiluted liquid. Reconstitute vial with 2 mL of distilled water. For extended storage after reconstitution, add an equal volume of glycerol to make a final concentration of 50% glycerol followed by storage at -20°C in undiluted aliquots for up to 12 months. Please note the concentration of antibody (and buffer salts) will decrease to one-half of the original after the addition of glycerol and final working dilutions must be adjusted accordingly. Avoid repeated freeze thaw cycles.		

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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