



**GOAT ANTI-HUMAN IgG γ CHAIN SPECIFIC
BIOTIN CONJUGATED, SPECIES ADSORBED (HUMAN IgM, IgD and IgA)
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AP504B	QUANTITY:	1.0 mg
LOT NUMBER:	Xxx		
EPITOPE:	IgG γ chain	HOST/ISOTYPE:	Goat
BACKGROUND:	IgG is one of the most abundant protein in human serum. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 10^{11} variants.		
SPECIFICITY:	The antibody reacts with the heavy chain of human IgG as demonstrated by ELISA and flow cytometry.		
APPLICATIONS:	<u>Immunofluorescence:</u> $\leq 1 \mu\text{g}/10^6$ cells. <u>ELISA:</u> 1:5,000-1:20,000. <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Reacts with with the heavy chain of human IgG. Absorbed for human IgM, IgD and IgA. Reactivity with other species has not been determined.		
IMMUNOGEN:	Prepared from IgG γ chain. Pooled antisera from goats hyperimmunized with normal human IgG and human IgG paraproteins.		
PRESENTATION:	Purified by affinity chromatography on pooled human IgG covalently linked to agarose. Liquid in 2 mL PBS/NaN ₃ .		
STORAGE/HANDLING:	Maintain refrigerated at 2°-8°C under sterile conditions for up to twelve months from date of receipt.		

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 μL 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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