

Mouse Anti-Human IgG4 (γ_4 chain specific)

Cat. No.	Form	Quantity
9200-01	Purified (UNLB) Antibody	0.5 mg
9200-02	Fluorescein (FITC) Conjugate	0.5 mg
9200-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
9200-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
9200-08	Biotin (BIOT) Conjugate	0.5 mg
9200-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg

DESCRIPTION

Clone:	HP6025
Isotype:	Mouse IgG ₁ κ
Source:	Ascites fluid
Specificity	Reacts with the Fc portion of the heavy chain of human IgG ₄ as demonstrated by ELISA

RESEARCH APPLICATIONS

- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Western blotting
- Dot- and slot-immunoblotting
- Immunohistochemistry (frozen sections)
- Immunocytochemistry

CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by ELISA or FLISA for conformance to characteristics of a standard reference reagent.

WORKING DILUTIONS

Immunofluorescence:	FITC conjugate	1:200 - 1:400
	R-PE conjugate	1 μ g
ELISA:	AP conjugate	1:1,000-1:2,000
	HRP conjugate	1:1,000-1:4,000
	BIOT conjugate	1:5,000-1:10,000
Other Applications:	Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.	

For Research Use Only. Not for Diagnostic or Therapeutic Use.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl₂/50% Glycerol, pH 8.0, containing 0.1% NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Each reagent is stable for the period shown on the bottle label if stored as directed.

WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.