

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IgG ₄ in Western blots and ELISA. In Western blots, no cross-reactivity with human IgG ₁ , human IgG ₂ , and human IgG ₃ .
Source	Recombinant Monoclonal Rabbit IgG Clone # 2350A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing Human IgG ₄
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below
ELISA	This antibody functions as an ELISA capture antibody when paired with Rabbit Anti-Human IgG Monoclonal Antibody (Catalog # MAB11012). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i>	

DATA

<p>Western Blot</p> <p>Detection of IgG₄ by Western Blot. Western blot shows lysates of purified human IgG₁ (negative control), purified human IgG₂ (negative control), purified human IgG₃ (negative control), and human purified human IgG₄. PVDF membrane was probed with 2 µg/mL of Rabbit Anti-Human IgG₄ Monoclonal Antibody (Catalog # MAB98951) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for IgG₄ at approximately 240 kDa (as indicated). Human IgG (Catalog # MAB1101) is shown as a loading control. This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>ELISA</p> <p>Human IgG₄ ELISA Standard Curve. Recombinant Human IgG₄ protein was serially diluted 2-fold and captured by Rabbit Anti-Human IgG₄ Monoclonal Antibody (Catalog # MAB98951) coated on a Clear Polystyrene Microplate (Catalog # DY990). Rabbit Anti-Human IgG Monoclonal Antibody (Catalog # MAB11012) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # DY998) followed by Substrate Solution (Catalog # DY999) and stopping the enzymatic reaction with Stop Solution (Catalog # DY994).</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.