

# Human IgG<sub>4</sub> Antibody

Monoclonal Mouse IgG<sub>2A</sub> Clone # 985547 Catalog Number: MAB9895

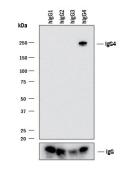
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human IgG <sub>4</sub> in direct ELISAs.
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 985547
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Purified IgG <sub>4</sub> from normal human plasma
Formulation	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.

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	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 Monoclor Antibody (Catalog # MAB11012).	
	This product is intend	ded for assay development on various assay platforms requiring antibody pairs.	

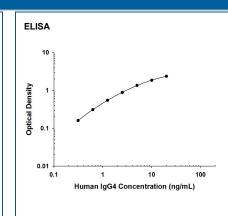




### Detection of Human IgG<sub>4</sub> by Western

Blot. Western blot shows lysates of purified human IgG<sub>1</sub> (negative control), purified human IgG<sub>2</sub> (negative control), purified human IgG<sub>3</sub> (negative control), and human purified human IgG<sub>4</sub>. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human IgG<sub>4</sub> Monoclonal Antibody (Catalog # MAB9895) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for IgG<sub>1</sub> 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.

6 months, -20 to -70 °C under sterile conditions after reconstitution.



## Human IgG<sub>4</sub> ELISA Standard

Curve. Recombinant Human IgG<sub>4</sub> protein was serially diluted 2-fold and captured by Mouse Anti-Human IgG<sub>4</sub> Monoclonal Antibody (Catalog # MAB9895) 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).

#### 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> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>			
	1 month, 2 to 8 °C under sterile conditions after reconstitution.			

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