

Human IgG₁ Antibody

Monoclonal Mouse IgG_{2B} Clone # 984907 Catalog Number: MAB9894

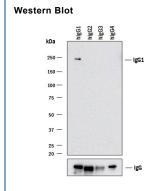
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human IgG ₁ in direct ELISAs.	
Source	Monoclonal Mouse IgG _{2B} Clone # 984907	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Synthetic peptide containing human IgG ₁	
Formulation	Lyophilized from a 0.2 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.

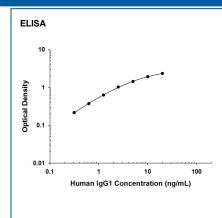
	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below
ELISA	This antibody functions as an ELISA capture antibody when paired with Rabbit Anti-Human IgG Monoclo Antibody (Catalog # MAB11012).	
	This product is intend	led for assay develonment on various assay platforms requiring antihody pairs

DATA



Detection of Human IgG₁ by Western

Blot. Western blot shows lysates of purified human $\lg G_1$, purified human $\lg G_2$ (negative control), purified human $\lg G_3$ (negative control), and human purified human $\lg G_4$ (negative control). PVDF membrane was probed with 2 μ g/mL of Mouse Anti-Human $\lg G_1$ Monoclonal Antibody (Catalog # MAB9894) followed by HRP-conjugated Anti-Mouse $\lg G$ Secondary Antibody (Catalog # HAF018). A specific band was detected for $\lg G_1$ at approximately 240 kDa (as indicated). Human $\lg G$ (Catalog # MAB1101) is shown as a loading control.This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1.



Human IgG₁ ELISA Standard Curve. Recombinant Human IgG₁ protein was serially diluted 2-fold and captured by Mouse Anti-Human IgG₁ Monoclonal Antibody (Catalog # MAB9894) 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.

- 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.

Rev. 4/24/2018 Page 1 of 1

