Human IgG_1 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2347E
Catalog Number: MAB9930

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IgG1 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2347E
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Full length Human IgG1
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.

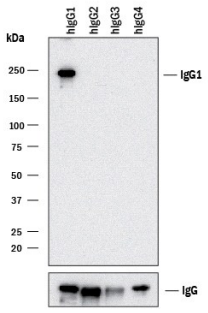
APPLICATIONS

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	1 µg/mL	See Below
ELISA	This antibody functions as an ELISA capture antibody when paired with Rabbit Anti-Human IgG Monoclonal Antibody (Catalog # MAB11012). *This product is intended for assay development on various assay platforms requiring antibody pairs.*	

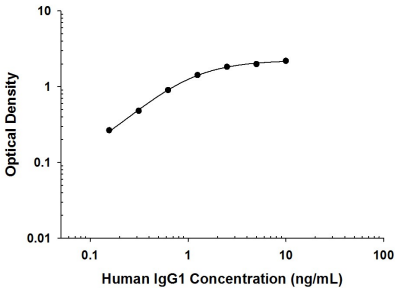
DATA

Western Blot



Detection of Human IgG1 by Western Blot. Western blot shows lysates of purified human IgG_1, purified human IgG_2 (negative control), purified human IgG_3 (negative control), and human purified human IgG_4 (negative control). PVDF membrane was probed with 1 µg/mL of Rabbit Anti-Human IgG_1 Monoclonal Antibody (Catalog # MAB9930) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for IgG_1 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.

ELISA



Human IgG_1 ELISA Standard Curve. Recombinant Human IgG_1 protein was serially diluted 2-fold and captured by Rabbit Anti-Human IgG_1 Monoclonal Antibody (Catalog # MAB9930) 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.

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