

Anti- Adalimumab (Anti-Idiotype) Antibody

Monoclonal Mouse IgG_{2B} Clone # 972557 Catalog Number: MAB9546

 DESCRIPTION

 Specificity
 Detects Adalimumab in Western blots and direct ELISAs. In direct ELISAs, no cross-reactivity with Cetuximab, Ibritumomab, Rituximab, Trastuzumab, Tositumomab, Brentuximab, Gemtuzumab, Solanezumab, Teprotumumab, and Aducanumab is observed.

 Source
 Monoclonal Mouse IgG_{2B} Clone # 972557

 Purification
 Protein A or G purified from hybridoma culture supernatant

 Immunogen
 Full length Adalimumab

 Formulation
 Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

APPLICATIONS

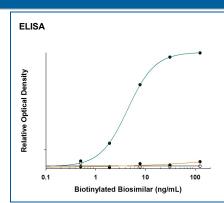
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below
ELISA	Detects Adalimumab in direct ELISAs.	

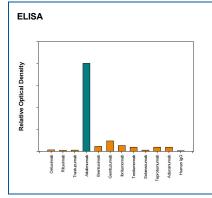
DATA

Western Blot Adalimumab 150 — 100 — 75 — 50 — 37 — 25 — 25 —

Detection of Adalimumab by Western Blot. Western blot shows Trastuzumab (negative control), Adalimumab, Ibritumomab (negative control) and Tostiumomab (negative control) biosimilars. PVDF membrane was probed with 2 μg/mL of Anti- Adalimumab (Anti-Idiotype) Monoclonal Antibody (Catalog # MAB9546) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Adalimumab at approximately 240 kDa (as indicated). This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1.



Specificity of Anti-Adalimumab (Anti-Idiotype) Antibody in ELISA Capture Assay. Biotinylated biosimilars were serially diluted and incubated with Anti-Adalimumab (Anti-Idiotype) Antibody (Catalog # MAB9546, green line) coated at 1 µg/mL on a 96-well polystyrene plate. No cross-reactivity with Trastuzumab (black line) or Gemtuzumab (orange line) was observed.



Specificity of Anti-Adalimumab (Anti-Idiotype) Antibody in Direct ELISA. A panel of biosimilars was coated at 1 μg/mL in 96-well polystyrene plates. Anti-Adalimumab (Anti-Idiotype) Antibody (Catalog # MAB9546, 333 ng/mL) detected Adalimumab. No cross-reactivity with Cetuximab, Rituximab, Trastuzumab, Brentuximab, Gemtuzumab, Ibritumomab, Tositumomab, Solanezumab, Teprotumumab, and Aducanumab was ohserved

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.

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. 11/15/2023 Page 1 of 2





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BACKGROUND

The anti-Adalimumab antibody is an anti-Idiotype antibody raised against and selected for the antigenic determinants of the variable region of Adalimumab. The antibody has been tested against a broad range of other biosimilars to ensure specificity. This highly specialized anti-idiotypic antibody can be used in a variety of pharmacokinetic (PK) assay formats.

Rev. 11/15/2023 Page 2 of 2

