

Anti- Cetuximab (Anti-Idiotype) Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2259C Catalog Number: MAB9626

| DESCRIPTION | | |
|--------------|---|--|
| Specificity | Detects Cetuximab in Western blots and direct ELISAs. No cross-reactivity with Adalimumab, Rituximab, Trastuzumab, Brentuxin Gemtuzumab, Ibritumomab, Tositumomab, Solanezumab, Teprotumumab, and Aducanumab is observed. | |
| Source | Recombinant Monoclonal Rabbit IgG Clone # 2259C | |
| Purification | Protein A or G purified from cell culture supernatant | |
| Immunogen | Full length Cetuximab | |
| 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. | |

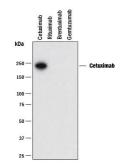
APPLICATIONS

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.

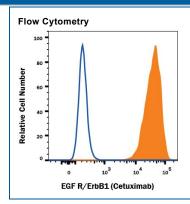
| | Recommended Concentration | Sample |
|----------------|-------------------------------------|--|
| Western Blot | 0.5 μg/mL | See Below |
| Flow Cytometry | 0.25 μg/10 ⁶ cells | See Below |
| Simple Western | 20 μg/mL | Cetuximab under non-reducing conditions only |
| ELISA | Detects Cetuximab in direct ELISAs. | |

DATA

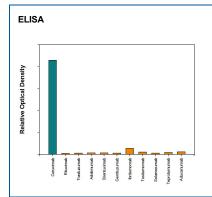
Western Blot



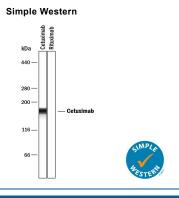
Detection of Cetuximab by Western Blot. Western blot shows Cetuximab. Rituximab. Brentuximab, and Gemtuzumab biosimilars. PVDF membrane was probed with 0.5 µg/mL of Anti-Cetuximab (Anti-Idiotype) Monoclonal Antibody (Catalog # MAB9626) followed by HRPconjugated Anti-Rabbit IgG Secondary Antibody (Catalog # Catalog # HAF008). A specific band was detected for Cetuximab at approximately 240 kDa (as indicated). This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1



Detection of anti-EGFR/ErbB1 (Cetuximab) on A431 Human Cell Line by Flow Cytometry. A431 human epithelial carcinoma cell line was stained with anti-EGFR/ErbB1 (Cetuximab) (Catalog # Catalog # MAB9577), then anti-Cetuximab (Anti-Idiotype) (Catalog # MAB9626, filled histogram) or Normal Rabbit IgG Control (Catalog # Catalog # MAB1050, open histogram), followed by Phycoerythrinconjugated Anti-Rabbit IgG Secondary Antibody (Catalog # Catalog # F0110).



Specificity of Anti-Cetuximab (Anti-Idiotype) Antibody in Direct ELISA A panel of biosimilars was coated at 1 µg/mL in 96-well polystyrene plates. Anti-Cetuximab (Anti-Idiotype) Antibody (Catalog # MAB9626, 333 ng/mL) detected Cetuximab. No cross-reactivity with Adalimumab, Rituximab, Trastuzumab, Brentuximab, Gemtuzumab, Ibritumomab, Tositumomab, Solanezumab, Teprotumumab, and Aducanumab was observed.



Detection of Cetuximab by Simple Western M. Simple Western M. Simple Western lane view shows Cetuximab and Rituximab biosimilars, loaded at 0.2 mg/mL. A specific band was detected for Cetuximab at approximately 174 kDa (as indicated) using 20 µg/mL of Rabbit Anti-Anti-Cetuximab (Anti-Idiotype) Monoclonal Antibody (Catalog # MAB9626) . This experiment was conducted under non-reducing conditions and using the 66-440 kDa separation system.

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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BACKGROUND

The anti-Cetuximab antibody is an anti-Idiotype antibody raised against and selected for the antigenic determinants of the variable region of Cetuximab. 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.

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