**DESCRIPTION**

**Specificity** Detects Cetuximab in Western blots and direct ELISAs. No cross-reactivity with Adalimumab, Rituximab, Trastuzumab, Brentuximab, Gemtuzumab, Ibritumomab, Tositumomab, Solanezumab, Teprrotumab, 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.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>0.5 µg/mL</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>0.25 µg/10^6 cells</td>
</tr>
<tr>
<td>ELISA</td>
<td>Detects Cetuximab in direct ELISAs.</td>
</tr>
</tbody>
</table>

**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 HRP-conjugated Anti-Rabbit IgG Secondary Antibody (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.

**Flow Cytometry**

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 # MAB9577), then anti-Cetuximab (Anti-Idiotype) (Catalog # MAB9626, filled histogram) or Normal Rabbit IgG Control (Catalog # MAB1050, open histogram), followed by Phycoerythrin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0110).

**ELISA**

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, Teprrotumab, and Aducanumab was observed.

**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.

**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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