

DESCRIPTION

Specificity	Detects Ibritumomab in Western blots in direct ELISAs. In direct ELISAs, 100% cross-reactivity with Tositumomab (100% sequence identity) and no cross-reactivity with Cetuximab, Rituximab, Trastuzumab, Adalimumab, Brentuximab, Gemtuzumab, Solanezumab, Tepratumumab, and Aducanumab is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 974622
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Full length Ibritumomab
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	Detects Ibritumomab and Tositumomab in direct ELISA.	

DATA

Western Blot

Detection of Ibritumomab by Western Blot. Western blot shows Trastuzumab, Adalimumab, and Ibritumomab biosimilars. PVDF membrane was probed with 2 µg/mL of Anti- Ibritumomab (Anti-Idiotypic) Monoclonal Antibody (Catalog # MAB9544) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Ibritumomab at approximately 240 kDa (as indicated). This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1.

ELISA

Specificity of Anti-Ibritumomab (Anti-Idiotypic) Antibody in Direct ELISA. A panel of biosimilars was coated at 1 µg/mL in 96-well polystyrene plates. Anti-Ibritumomab (Anti-Idiotypic) Antibody (Catalog # MAB9544, 333 ng/mL) detected Ibritumomab. 100% cross-reactivity with Tositumomab (100% sequence identity with Ibritumomab) and no cross-reactivity with Cetuximab, Rituximab, Trastuzumab, Brentuximab, Gemtuzumab, Adalimumab, Solanezumab, Tepratumumab, 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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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-Ibritumomab antibody is an anti-Idiotypic antibody raised against and selected for the antigenic determinants of the variable region of Ibritumomab. 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.