

## Product datasheet for **AM05879PU-N**

### Rituximab Rat Monoclonal Antibody [Clone ID: MB2 A4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MB2 A4
Applications:	ELISA, FC
Recommended Dilution:	<b>ELISA:</b> 5 µg/ml as coating antibody. <b>Flow Cytometry:</b> Use 10 µl of 50 µg/ml diluted antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	F(ab)2 fragment of Rituximab. Spleen cells from immunised rats were fused with cells of the NS-1 mouse myeloma cell line
Specificity:	This antibody specifically recognises the idiotypic determinants expressed by the Rituximab humanised monoclonal antibody. It does not recognise other CD20 antibodies. This antibody has been used in <b>ELISA</b> assays to monitor the levels of Rituximab in patient serum following therapy. It has been used to detect Rituximab bound to the surface of the Raji B cell line, however detection of Rituximab bound ' <i>in vivo</i> ' to B-CLL cells has not been demonstrated. It is possible that complement deposition on Rituximab opsonised cells inhibits binding of the anti-Rituximab antibody to cell bound Rituximab (3).
Formulation:	TRIS buffered saline pH 8.0 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

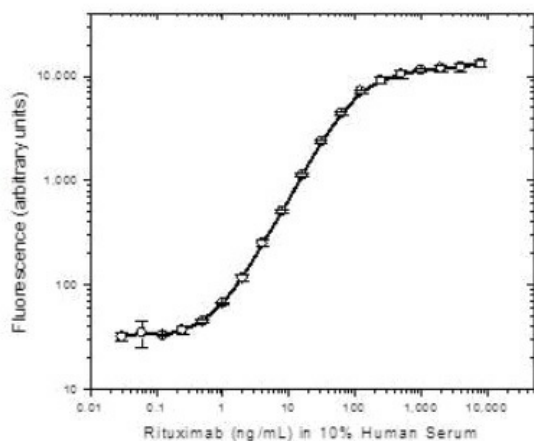


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**Background:** Rituximab is a therapeutic reagent directed against the human CD20 cell surface antigen.

**Synonyms:** Rituxan, MabThera

**Product images:**



Detection of Rituximab spiked into 10% human serum by sandwich ELISA. Human anti Rituximab was used as the coating antibody and detection was performed by adding HRP conjugated anti-Rituximab antibody AM05879PU-N. Data are shown as the mean of three indepe