

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

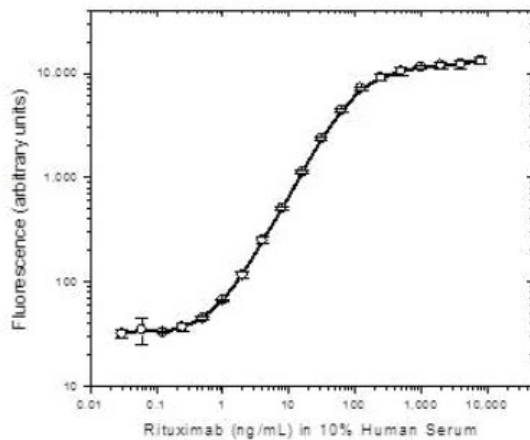
### Rituximab Rat Monoclonal Antibody [Clone ID: MB2 A4]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	MB2 A4
<b>Applications:</b>	ELISA, FC
<b>Recommended Dilution:</b>	<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.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	F(ab) <sub>2</sub> fragment of Rituximab. Spleen cells from immunised rats were fused with cells of the NS-1 mouse myeloma cell line
<b>Specificity:</b>	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).
<b>Formulation:</b>	TRIS buffered saline pH 8.0 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Chromatography on Protein G



<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Background:</b>	Rituximab is a therapeutic reagent directed against the human CD20 cell surface antigen.
<b>Synonyms:</b>	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