



# Rat Anti-Mouse CD45R Monoclonal antibody, clone RA3.3A1/6.1 (TIB-146) (CABT-L4385)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The RA3.3A1/6.1 monoclonal antibody reacts with mouse B220 also known as CD45R. B220 is a 220 kDa transmembrane protein tyrosine phosphatase expressed on B cells and some subsets of T and NK cells. B220 plays a critical role in TCR and BCR signaling and is commonly used as a B cell marker. The RA3.3A1/6.1 antibody is commonly used for in vivo B cell depletion.
<b>Target</b>	Mouse B220
<b>Immunogen</b>	Mouse RAW 112 lymphosarcoma cells
<b>Isotype</b>	IgM
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	RA3.3A1/6.1 (TIB-146)
<b>Purification</b>	Protein A purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	in vivo B cell depletion, in vitro B cell negative selection
<b>Format</b>	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific
<b>Size</b>	5 mg

<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]  Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	member of a family of heavily glycosylated leukocyte cell surface glycoproteins; displays extensive O-glycosylation [RGD, Feb 2006]
<b>Keywords</b>	PTPRC;protein tyrosine phosphatase, receptor type, C;Lca;RT7;CD45;L-CA;T200;receptor-type tyrosine-protein phosphatase C;T200 glycoprotein;leucocyte common antigen;leukocyte common antigen A;leukocyte common antigen B;Protein tyrosine phosphatase, receptor-type, c polypeptide;

## GENE INFORMATION

<b>Official Symbol</b>	protein tyrosine phosphatase, receptor type, C
<b>Synonyms</b>	PTPRC; protein tyrosine phosphatase, receptor type, C; Lca; RT7; CD45; L-CA; T200; receptor-type tyrosine-protein phosphatase C; T200 glycoprotein; leucocyte common antigen; leukocyte common antigen A; leukocyte common antigen B; Protein tyrosine phosphatase, receptor-type, c polypeptide;
<b>References</b>	Bouffi, C., et al. (2015). "Transcription Factor Repertoire of Homeostatic Eosinophilopoiesis." J Immunol 195(6): 2683-2695. PubMed;