



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

Product Overview

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.

Target	Mouse B220
Immunogen	Mouse RAW 112 lymphosarcoma cells
Isotype	IgM
Source/Host	Rat
Species Reactivity	Mouse
Clone	RA3.3A1/6.1 (TIB-146)
Purification	Protein A purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo B cell depletion, in vitro B cell negative selection
Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	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
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	member of a family of heavily glycosylated leukocyte cell surface glycoproteins; displays extensive O-glycosylation [RGD, Feb 2006]
Keywords	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

Official Symbol	protein tyrosine phosphatase, receptor type, C
Synonyms	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;
References	Bouffi, C., et al. (2015). "Transcription Factor Repertoire of Homeostatic Eosinophilopoiesis." <i>J Immunol</i> 195(6): 2683-2695. PubMed;