

## Product datasheet for **TA386209**

### **Ptprc Rat Monoclonal Antibody [Clone ID: RA3-6B2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	RA3-6B2
<b>Applications:</b>	FC, IF, IHC
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG2a, kappa
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This antibody was raised in Lou-M rats using a popliteal lymph node immunisation and fusion protocol as described by Martiniello et al (1994)
<b>Specificity:</b>	<p>This antibody is specific for murine CD45R antigen which is expressed on B lymphocytes throughout their development from early pro-B stages onwards and is down-regulated upon terminal differentiation to plasma cells. Apart from B cells, CD45R is expressed on a small subset of dendritic cells (plasmacytoid dendritic cells). The CD45R mAb clone RA3-6B2 specifically recognizes the exon A-restricted isoform of mouse CD45.</p> <p>This antibody has been used in FACS analyses, immunoprecipitation, immunoblotting, and immunohistochemistry in various studies, such as to understand the role of PD-1 in maintaining islet-specific tolerance in type 1 diabetes (Martinov et al, 2016), to investigate how Staphylococcus aureus enterotoxins spread systemically and trigger inflammatory cascades (Svedova et al, 2016), to highlight the physiologic importance of cell-type specific balancing of AhR/AhRR expression in response to microbial, nutritional and other environmental stimuli (Brandstätter et al, 2016), and to examine the role of FBXW7 in suppression of cancer metastasis in a non-cell-autonomous manner (Yumimoto et al, 2015).</p>
<b>Formulation:</b>	PBS with 0.02% Proclin 300.
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
<b>Stability:</b>	3 years from dispatch.



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**Gene Name:** protein tyrosine phosphatase, receptor type, C

**Database Link:** [Entrez Gene 19264 Mouse P06800](#)

**Synonyms:** B220; CD45; CD45R; glycoprotein; GP180; L-CA; LCA; LY5; T200