

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Fcγ RIIb in direct ELISAs. In direct ELISAs, this antibody shows 100% cross-reactivity with recombinant mouse (rm) Fcγ RIII. In ELISAs, this antibody shows approximately 7% cross-reactivity with rmFcγ RIII.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 190907
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Fcγ RIIb aa 40-217 Accession # P08101
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 μg/mL	Recombinant Mouse Fcγ RIIb/CD32b (Catalog # <a href="#">1460-CD</a> ) under non-reducing conditions only
<b>Mouse Fcγ RIIa/CD32a Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 μg/mL	Mouse Fcγ RIIb/CD32b Antibody (Catalog # <a href="#">MAB14601</a> )
<b>ELISA Detection</b>	0.1-0.4 μg/mL	Mouse Fcγ RII/RIII (CD32/CD16) Biotinylated Antibody (Catalog # <a href="#">BAF1460</a> )
<b>Standard</b>		Recombinant Mouse Fcγ RIIb/CD32b (Catalog # <a href="#">1460-CD</a> )

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Fcγ RIIb, also known as CD32b, is a low affinity inhibitory receptor for the Fc portion of the IgG molecules. Fcγ RIIb is expressed on B cells, macrophages, neutrophils, and mast cells and is involved in phagocytosis of immune complexes and modulation of antibody production by B cells.