

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Fcγ RII/RIII (CD32/CD16) in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human Fcγ RII is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Fcγ RIIB Thr40-Arg217 Accession # P08101
Formulation	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.

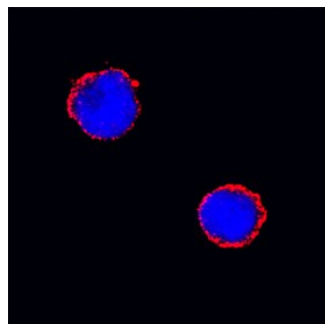
APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	Recombinant Mouse Fcγ RIIB/CD32b (Catalog # 1460-CD)
Immunocytochemistry	5-15 μg/mL	See Below

DATA

Immunocytochemistry



Fcγ RII/RIII (CD32/CD16) in Mouse Splenocytes. Fcγ RII/RIII (CD32/CD16) was detected in immersion fixed mouse splenocytes using Goat Anti-Mouse Fcγ RII/RIII (CD32/CD16) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1460) at 15 μg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Fcγ RII, also named CD32, is a low-affinity receptor for the Fc region of complexed IgG. Three genes for human Fcγ RII (A, B and C) and one for mouse (Fcγ RIIB), encoding type I transmembrane proteins, have been identified. The extracellular domain of mouse Fcγ RII shares approximately 95% amino acid sequence identity with that of mouse Fcγ RIII/CD16.