bsm-30155A **[Primary Antibody]**

mouse CD16/32 Rat mAb

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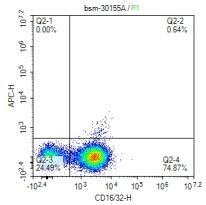
DATASHEET

Host: Rat
Isotype: Rat IgG2a, k
Clonality: Monoclonal
CloneNo.: 6G10
Target: mouse CD16/32
Purification: affinity purified by Protein G
Storage: 0.01M TBS (pH7.4).
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene are associated with immunodeficiency 20, and have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2020]

Applications: **Flow-Cyt** (1:50-100)
Reactivity: Mouse
Predicted MW.: 27 kDa
Subcellular Location: Secreted ,Cell membrane

VALIDATION IMAGES



scatter diagram showing mouse spleen stained with CD16/32. The cells were incubated with the antibody (bsm-30155A, 1 µg/Test) for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.Acquisition of >20,000 events was performed.

SELECTED CITATIONS

- **[IF=12.8]** Shenglong Tan. et al. Biomimetic Non-Collagenous Proteins-Calcium Phosphate Complex with Superior Osteogenesis via Regulating Macrophage IL-27 Secretion. BIOMATERIALS. 2024 Oct;:122917 IF ;Mouse. 39490058