11 Park Drive, Suite 12
Boston, MA 02215

Rat monoclonal anti mouse CD16/32

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	**gAP-0008**
Size:	**1.00 mg**
Storage:	**< -20° C**
Immunogen:	**Mouse Macrophagess**
Ig Type:	**Rat IgG2**
Clone	**AP-MAB0815**
Endotoxin Level	**< 0.002EU/μg IgG***
Applications:	**Blocking**

Description: CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. This antibody is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse macrophage cells.

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

Specificity: The antibody was selected for its ability to detect mouse natural killer cells, monocytes, macrophages, dendritic cells (at low levels), Kupffer cells, granulocytes, mast cells, B lymphocytes, immature thymocytes, and some activated mature T lymphocytes.

Endotoxin Level: **Extremely low level of LPS (< 0.002EU/μg IgG)**

Application(s):

1. **Blocking non-antigen-specific binding of immunoglobulins to the FcγIII and FcγII, and possibly FcγI, receptors**

*** The antibody is produced by in vitro culture.**

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, angioproteomie@gmail.com