Antibodies for Platelet Depletion in Mice

# R300

Product Information

Catalog Number: R300 (lot # M)
Isotype: Rat IgG (Wistar)
Contents: 0.5 mg purified immunoglobulins in PBS, sterile filtered
Concentration: 0.5 mg/ml

For research use only, not for diagnostic or therapeutic use. This product is no medical device.

Specificity: This antibody preparation contains a mixture of purified rat monoclonal antibodies directed against mouse GPIbα (CD42b). Targeting of this receptor with divalent IgGs results in profound and irreversible Fc-independent platelet depletion in mice\textsuperscript{1,2}. Platelet depletion is frequently used to study the general role of platelets in (patho-)physiology\textsuperscript{3}.

Preparation and Storage: The antibodies were purified from hybridoma cell culture supernatant by Protein G-Sepharose chromatography and contain < 0.00025 ng/µg (< 0.0025 EU/µg) protein endotoxin. Stable for six months from date of shipment when stored at 4°C. KEEP STERILE, the preparation contains no preservative. Aliquots can be stored at -20°C for at least one year. Avoid repeated freezing and thawing.

Usage: This preparation is optimized to reduce the platelet count by >95% within 60 minutes after intravenous injection of 2 µg/g bodyweight. It is recommended to inject the antibodies in a volume of 100-200 µl (diluted with sterile PBS).

References: