InnoCyto Inc.
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Technical Data Sheet

Anti-Mouse CD49b (pan-NK)

Catalog Number: 202601
Size: 50 ug
Target Name: CD49b, Integrin alpha 2 chain, ITGA2
Regulatory Status: RUO

Product Details

Clone: DX5
Application: FC
Reactivity: Mouse
Format: Purified
Isotype: Rat IgM
Antibody Type: Monoclonal
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Protein Concentration: 0.5 mg/mL
Storage&Handling: The antibody solution should be stored between 2°C and 8°C
Recommended Usage: For flow cytometric staining, it is recommended to use less than 0.2 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.
Release Date: Dec-25

Background Information

CD49b is a 150 kD glycoprotein, also known as ?2 integrin, VLA-2 ? chain, Integrin ?2 chain, and HM?2. It is a member of the integrin family, expressed on NK cells, a subset of splenic CD4+ T cells, NK-T cells, intestinal intraepithelial and lamina propria lymphocytes, epithelial cells, and platelets. By associating with CD29 (integrin ?1 subunit), CD49b forms the VLA-2 (integrin ??1) complex. It plays a critical role in both adhesion and lymphocyte activation. The primary ligands for CD49b are collagen, laminin, and fibronectin. The HM?2 antibody has been shown to be useful for partially blocking CD49b mediated interactions with collagen. Additionally, this antibody blocks staining of splenic NK cells by the monoclonal antibody DX5.