Natural Killer (NK) Cell Depletion & Validation Kit

Product Code: ICH8268

More Information

Species Reactivity: Mouse

Concentration: >1mg/ml, 5 µL/Test

Isotype: Mouse IgG2a Kappa, Rat IgM Kappa

Host: Mouse, Rat

product name H2: Natural Killer (NK) Cell Depletion & Validation Kit

background: Natural Killer (NK) cells are essential drivers of innate anti-tumor immunity and viral clearance. When researchers deplete NK cells in vivo using the industry-standard NK1.1 antibody, subsequent ex vivo flow cytometry validation often fails. The circulating in vivo depleter remains bound to the target cells, structurally blocking any fluorescent NK1.1 flow antibodies from accessing the receptor. To ensure robust and reliable experimental readouts, ichorbio has engineered a dual-target NK Cell Depletion & Validation Kit. We pair our premium in vivo Anti-Mouse NK1.1 (Clone PK136) with a distinct validation marker: Anti-Mouse CD49b (Clone DX5). While the PK136 clone actively drives depletion via the NK1.1 receptor, the DX5 clone independently binds to the CD49b (integrin alpha-2) antigen on the NK cell surface. This multi-antigen strategy guarantees that your flow cytometry validation remains highly sensitive and completely unaffected by epitope masking. Kit Includes: The Depleter: Anti-Mouse NK1.1 In Vivo Antibody (Clone PK136) - Low Endotoxin (1.0 EU/mg) The Validation Readout: Anti-Mouse CD49b Flow Antibody (Clone DX5) – 100 Tests (Available in FITC, PE, or APC)

clone: PK136 and DX5

Specificity: NK1.1, CD49b

Purification Method: These monoclonal antibodies were purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Formulation: Depletion antibody: Phosphate buffered saline (PBS) pH 7.2,with no carrier protein, potassium or preservatives added. BSA and Azide free. Validation Antibody: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Storage: Depletion antibody: Can be frozen. Validation antibody: can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.

Applications: In vivo, Flow Cytometry