

CD4+ Helper T-Cell Depletion & Validation Kit

Product Code: ICH8264

More Information

Species Reactivity: Mouse

Concentration: >1mg/ml, 5 µL/Test

Isotype: Rat IgG2b Kappa, Rat IgG2b Kappa

Host: Rat

product name H2: CD4+ Helper T-Cell Depletion & Validation Kit

background: Background: Isolating the role of CD4+ Helper T-cells in preclinical disease models requires robust in vivo depletion followed by precise ex vivo confirmation. Epitope masking is a frequent experimental bottleneck, as standard flow antibodies often compete with the circulating in vivo depleter for binding space on the CD4 receptor. ichorbio's CD4+ Depletion & Validation Kit ensures seamless workflow compatibility. We pair our industry-leading in vivo Anti-Mouse CD4 (Clone GK1.5) with the non-competing validation clone RM4-4. Because GK1.5 and RM4-4 bind to distinct, non-overlapping epitopes on the CD4 molecule, researchers can successfully validate total CD4+ cellular clearance without false-negative flow cytometry results caused by steric hindrance. Kit Includes: The Depleter: Anti-Mouse CD4 In Vivo Antibody (Clone GK1.5) - Low Endotoxin (1.0 EU/mg) The Validation Readout: Anti-Mouse CD4 Flow Antibody (Clone RM4-4) - 100 Tests (Available in FITC, PE, or APC)

clone: GK1.5 and RM4-4

Specificity: CD4

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