



ORDERING INFORMATION

Catalog Number: AF1525

Lot Number: IVQ01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Dectin-2α

Immunogen: NS0-derived rmDectin-2α
extracellular domain
(aa 43 - 209)

Ig Type: mouse Dectin-2α extracellular
domain specific goat IgG

Applications: Direct ELISA
Western blot

Anti-mouse Dectin-2α Antibody

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Dendritic Cell (DC)-associated C-Type (Ca^{2+} -dependent, carbohydrate recognition domain) lectin-2α (rmDectin-2α; aa 43 - 209) extracellular domain. Mouse Dectin-2α specific IgG was purified by mouse Dectin-2α affinity chromatography. Dectin-2α is a Type II transmembrane protein belonging to the C-Type lectin superfamily and is designated CLECSF10. At least 2 truncated isoforms (2β and 2γ) exist as a result of alternative splicing.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize mouse Dectin-2α in direct ELISAs and western blots.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Dectin-2α. The detection limit for rmDectin-2α is approximately 0.15 ng/well. In this format, this antibody shows approximately 10% cross-reactivity with rhDLEC.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse Dectin-2α. The detection limit for rmDectin-2α is approximately 5 ng/lane under non-reducing and reducing conditions.

Optimal dilutions should be determined by each laboratory for each application.