



ORDERING INFORMATION

Catalog Number: AF1704

Lot Number: KHP01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human CLEC-1

Immunogen: NS0-derived rhCLEC-1
(aa 77 - 280)

Ig Type: human CLEC-1 specific goat IgG

Applications: Direct ELISA
Western blot

Anti-human CLEC-1 Antibody

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human C-type Lectin-like receptor 1 (rhCLEC-1; aa 77 - 280). Human CLEC-1 specific IgG was purified by human CLEC-1 affinity chromatography. CLEC-1 is a type II transmembrane protein that has a single carbohydrate recognition domain (CRD) in its C-terminal extracellular domain. It is transcribed from the NK gene complex and is expressed in dendritic cells, monocytes/macrophages and endothelial cells.

Formulation

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

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 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 human CLEC-1 in direct ELISAs and western blots. In these formats, this antibody shows less than 1% cross-reactivity with rhCLEC-2.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human CLEC-1. The detection limit for rhCLEC-1 is approximately 0.3 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human CLEC-1. The detection limit for rhCLEC-1 is approximately 5 ng/lane under non-reducing and reducing conditions.

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