



Biotinylated Anti-mouse OCILRP2/CLEC2i Antibody

ORDERING INFORMATION

Catalog Number: BAF3370

Lot Number: XIL01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS
with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse OCILRP2

Immunogen: *E. coli*-derived rmOCILRP2
(aa 77 - 217)

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse Osteoclast Inhibitory Lectin Related Protein 2 (rmOCILRP2; aa 77 - 217; Accession # NP_064653). Mouse OCILRP2 specific IgG was purified by mouse OCILRP2 affinity chromatography and then biotinylated. OCILRP2, also known as CLRG (C-type lectin related g) and CLEC2i (C-type lectin domain family 2, member i), is a type II transmembrane protein whose gene has been mapped to the natural killer gene complex (NKC) on mouse chromosome 6. By alternative splicing, multiple isoforms exist. OCIL RP2 is expressed on osteoclasts, chondrocytes and lymphoid cell types. It is a ligand for NKrp1f (KLRB1f), another NK receptor on the NKC. OCILRP2 inhibits osteoclast formation and can affect NK cell functions. The extracellular domain of mouse OCILRP2 shares 79% and 74% amino acid sequence identity with that of mouse OCILRP1 and OCIL, respectively. A human OCILRP2 ortholog has not been identified.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/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 use as a detection antibody in mouse OCILRP2 western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse OCILRP2. The detection limit for rmOCILRP2 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 25% cross-reactivity with rmOCIL.

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