

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse OCILRP2/CLEC2i in direct ELISAs and Western blots. In Western blots, approximately 25% cross-reactivity with recombinant mouse OCIL is observed.                                                                                                              |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse OCILRP2/CLEC2i<br>Thr77-Val217<br>Accession # Q9WVF9                                                                                                                                                                              |
| <b>Conjugate</b>          | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

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.

#### PRODUCT SPECIFIC NOTICES

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