

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse OCIL/CLEC2d in direct ELISAs and Western blots. In Western blots, approximately 35% cross-reactivity with recombinant mouse OCILRP2 is observed and less than 2% cross-reactivity with recombinant human 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 OCIL/CLEC2d<br>Ala65-Ser207<br>Accession # Q91V08                                                                                                                                                                                 |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 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

Mouse OCIL, also known as C-type lectin-related b (Clrb), is a type II transmembrane protein belonging to the natural killer (NK) cell receptor group of the C-type lectin superfamily. It is found on hematopoietic cells, osteoclasts and chondrocytes. OCIL preferentially binds high molecular weight, sulfated glycosaminoglycans and is a ligand for the mouse NK R-PIB/D receptor. OCIL blocks osteoclast differentiation. Engagement of OCIL with NK R-PIB/D on NK cells inhibits NK cell functions. The extracellular domain of mouse OCIL shares 49% and 71% amino acid sequence identity with rat and human OCIL, respectively.

#### PRODUCT SPECIFIC NOTICES

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