

DESCRIPTION

Species Reactivity	Mouse
Specificity	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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse OCIL/CLEC2d Ala65-Ser207 Accession # Q91V08
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

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