

CLEC2D Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58048

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession

Reactivity
Rat, Pig, Dog
Host
Clonality
Polyclonal
Calculated MW
Physical State

Q9UHP7
Rat, Pig, Dog
Rabbit
Polyclonal
21849
Liquid

Immunogen KLH conjugated synthetic peptide derived from human CLEC2D

Epitope Specificity 101-207/207

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane; Single-pass type II membrane protein. Cell surface. Isoform

2, 4: Endoplasmic reticulum.

SIMILARITY Contains 1 C-type lectin domain.

SUBUNIT Homodimer or heterodimer; disulfide-linked.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions This gene encodes a member of the natural killer cell receptor C-type lectin

family. The encoded protein inhibits osteoclast formation and contains a transmembrane domain near the N-terminus as well as the C-type lectin-like extracellular domain. Several alternatively spliced transcript variants have been identified, but the full-length nature of every transcript has not been

defined.

Additional Information

Gene ID 29121

Other Names C-type lectin domain family 2 member D, Lectin-like NK cell receptor,

Lectin-like transcript 1, LLT-1, Osteoclast inhibitory lectin, CLEC2D, CLAX, LLT1,

OCIL

Target/Specificity Detected in fetal heart, brain, lung, chondrocytes, perichondrium and

osteoblasts, and in adult splenocytes, thymocytes, lymph-node cells,

osteoblasts, growth plate chondrocytes and skeltal muscle overlying the bone (at protein level). Ubiquitous. Detected in thymus, bone marrow, lung, gut,

heart, skeletal muscle, ovary, spleen, ileum, liver and kidney.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1 [g

/test,ELISA=1:5000-10000

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name CLEC2D

Synonyms CLAX, LLT1, OCIL

Function Receptor for KLRB1 that protects target cells against natural killer

cell-mediated lysis (PubMed:<u>16339513</u>, PubMed:<u>20843815</u>). Inhibits

osteoclast formation (PubMed:<u>14753741</u>, PubMed:<u>15123656</u>). Inhibits bone resorption (PubMed:<u>14753741</u>). Modulates the release of interferon-gamma

(PubMed: 15104121). Binds high molecular weight sulfated

glycosaminoglycans (PubMed: 15123656).

Cellular Location Cell membrane; Single-pass type II membrane protein [Isoform 4]:

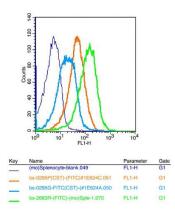
Endoplasmic reticulum

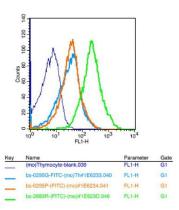
Tissue Location Detected in peripheral blood leukocytes, osteoblasts, lymph node, thymus

and spleen. Isoform 1, isoform 2 and isoform 4 are expressed in T- and B-lymphocytes, and at lower levels in NK cells. They are also expressed in

B-cell lines and LPS-matured monocyte-derived dendritic cells.

Images





Positive control: (mo)Splenocytes(2% Paraformaldehyde-fixed)
Isotype Control Antibody: Rabbit IgG; Dilution: 1 µg in 100 µl 1 X PBS containing 0.5% BSA
Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA
Primary Antibody catalog number: AP58048; Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA

Blank control: mouse thymouses(blue)
Isotype Control Antibody: Rabbit IgG(orange);
Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA;
Primary Antibody Dilution: 1 µl in 100 µL1X PBS containing 0.5% BSA(green).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.