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CLEC2B Recombinant Rabbit mAb

Catalog # AP98698

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q92478
Other Accession	Q92478
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	17307
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Background Descriptions	Natural killer (NK) cells express multiple calcium-dependent (C-type) lectin-like receptors, such as CD94 (KLRD1; MIM 602894) and NKG2D (KLRC4; MIM 602893), that interact with major histocompatibility complex class I molecules and either inhibit or activate cytotoxicity and cytokine secretion. CLEC2 is a C-type lectin-like receptor expressed in myeloid cells and NK cells (Colonna et al., 2000 [PubMed 10671229]).[supplied by OMIM, Jan 2011]

Additional Information

Gene ID	9976
Other Names	C-type lectin domain family 2 member B (Activation-induced C-type lectin) (C-type lectin superfamily member 2) (IFN-alpha-2b-inducing-related protein 1);AICL CLECSF2 IFNRG1
Dilution	IHC-P=1:50-200,IHC-F=1:50-200,WB=1:500-2000,IF=1:50-200,ELISA=1:5000-10000
Storage	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	CLEC2B
Synonyms	AICL, CLECSF2, IFNRG1
Function	Membrane-bound protein expressed on myeloid cells which acts as a ligand to stimulate the activating receptor NKp80/KLRF1, expressed on the surface of natural killer (NK) cells. In turn, stimulates NK- cell cytotoxicity and cytokine

	production leading to the cytolysis of malignant CLEC2B-expressing myeloid cells.
Cellular Location	Cell membrane; Single-pass type II membrane protein. Golgi apparatus membrane Note=Resting NK cells contain intracellular stores of CLEC2B associated with the Golgi complex.
Tissue Location	Expressed preferentially in lymphoid tissues, and in most hematopoietic cell types

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