

Product Datasheet

OCIL/CLEC2d Antibody (4C7) - Azide and BSA Free H00029121-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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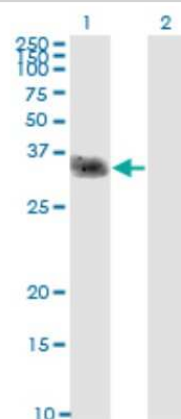
H00029121-M01

OCIL/CLEC2d Antibody (4C7) - Azide and BSA Free

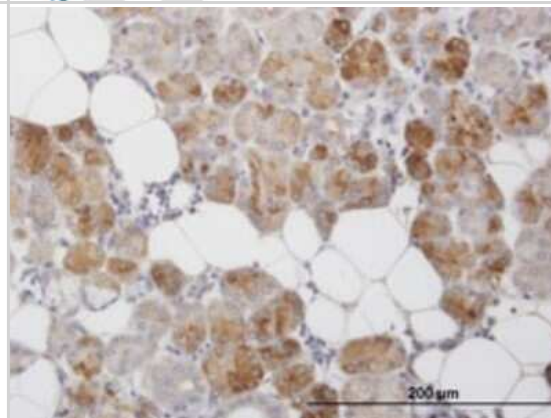
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4C7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse OCIL/CLEC2d Antibody (4C7) - Azide and BSA Free (H00029121-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-OCIL/CLEC2d Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	29121
Gene Symbol	CLEC2D
Species	Human
Specificity/Sensitivity	CLEC2D - C-type lectin superfamily 2, member D
Immunogen	CLEC2D (AAH19883, 1 a.a. ~ 154 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MHDSNNVEKDITPSELPANPGCVHSKEHSIKATLIWRLFFLIMFLTIIVCGMVAAL SAIRANCHQEPSVCLQAACPESWIGFQRKCFYFSDDTKNWTSSQRFCDSDQA DLAQVESFQELNFLRLRYKGPSDHWIGLSREQGQPWKWINGTEWTRQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody Reactive against Recombinant Protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. It has also been used for Immunohistochemistry (Paraffin). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24352438)

Images

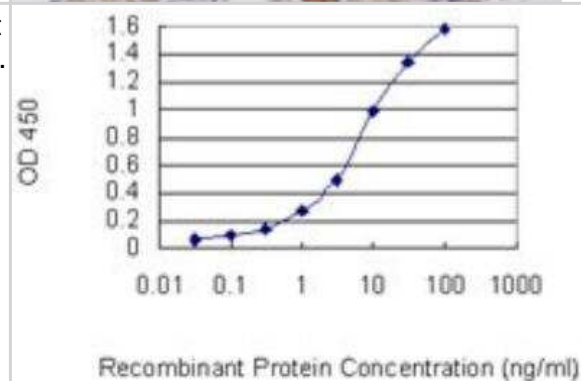
Western Blot: OCIL/CLEC2d Antibody (4C7) [H00029121-M01] - Analysis of CLEC2D expression in transfected 293T cell line by CLEC2D monoclonal antibody (M01), clone 4C7. Lane 1: CLEC2D transfected lysate (21.8 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: OCIL/CLEC2d Antibody (4C7) [H00029121-M01] - Analysis of monoclonal antibody to CLEC2D on formalin-fixed paraffin-embedded human salivary gland. Antibody concentration 3 ug/ml.

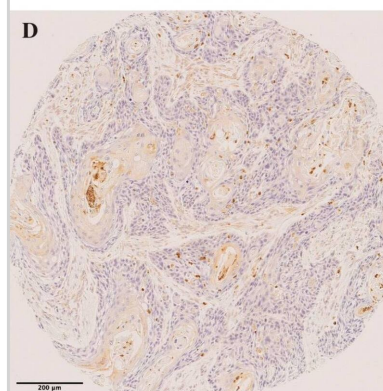


ELISA: OCIL/CLEC2d Antibody (4C7) [H00029121-M01] - Detection limit for recombinant GST tagged CLEC2D is 0.1 ng/ml as a capture antibody.



Immunohistochemical analysis of LLT1 in OSCC tissue specimens. Representative images of tumors showing (A) negative LLT1 expression (score = 0); two examples of tumoral LLT1 expression showing (B) weak (score = 1) and (C) moderate staining (score = 2); three examples of stromal LLT1 expression showing (D) mild to moderate positive TILs (score = 1); (E) abundant (score = 2); and (F) highly abundant positive TILs (score = 3). Scale bar, 200 μm. Magnification, 20×. Image collected and cropped by CiteAb from the following open publication (<https://www.mdpi.com/1422-0067/25/8/4314>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

Stromal LLT1



Publications

Juan C. de Vicente, Paloma Lequerica-Fernández, Juan P. Rodrigo, Tania Rodríguez-Santamarta, Verónica Blanco-Lorenzo, Llara Prieto-Fernández, Daniela Corte-Torres, Aitana Vallina, Francisco Domínguez-Iglesias, Saúl Álvarez-Teijeiro, Juana M. García-Pedrero, Eric Parkinson Lectin-like Transcript-1 (LLT1) Expression in Oral Squamous Cell Carcinomas: Prognostic Significance and Relationship with the Tumor Immune Microenvironment International Journal of Molecular Sciences 2024-04-13 [PMID: 38673902]

Sanchez-Canteli M, Hermida-Prado F, Sordo-Bahamonde C et al. Lectin-Like Transcript 1 (LLT1) Checkpoint: A Novel Independent Prognostic Factor in HPV-Negative Oropharyngeal Squamous Cell Carcinoma Biomedicines 2020 -11-25 [PMID: 33255617] (IHC-P, Human)

Williams KJ, Eaton HE, Jones L et al. Vaccinia Virus WR induces rapid surface expression of a host molecule detected by the antibody 4C7 that is distinct from CLEC2D. Microbiol Immunol 2016-11-01 [PMID: 27862195]

Germain C, Meier A, Jensen T et al. Induction of LLT1 cell surface expression by pathogens and IFN- γ contributes to modulate immune responses. J Biol Chem. 2011-09-19 [PMID: 21930700]

Chalan P, Bijzet J, Huitema MG et al. Expression of Lectin-Like Transcript 1, the Ligand for CD161, in Rheumatoid Arthritis. PLoS One. 2015-07-06 [PMID: 26147876]

Satkunanathan S, Kumar N, Bajorek M et al. Respiratory syncytial virus infection, TLR3 ligands and pro-inflammatory cytokines induce CD161 ligand LLT1 expression on the respiratory epithelium. J Virol 2013-12-18 [PMID: 24352438] (ICC/IF, Human)

Germain C, Bihl F, Zahn S et al. Characterization of alternatively spliced transcript variants of CLEC2D gene. J Biol Chem 285(46):36207-15. 2010-11-12 [PMID: 20843815]

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Roth P, Mittelbronn M, Wick W et al. Malignant Glioma Cells Counteract Antitumor Immune Responses through Expression of Lectin-Like Transcript-1. Cancer Res;67(8):3540-4. 2007-04-15 [PMID: 17440061]





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Products Related to H00029121-M01

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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