

CLEC2D Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CLEC2D.****Catalog # AT1555a****Specification**

CLEC2D Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	Q9UHP7
Other Accession	BC019883
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	21849

CLEC2D Antibody (monoclonal) (M01) - 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

CLEC2D (AAH19883, 1 a.a. ~ 154 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CLEC2D Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

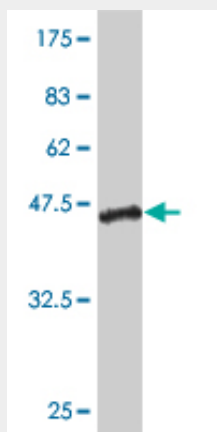
CLEC2D Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

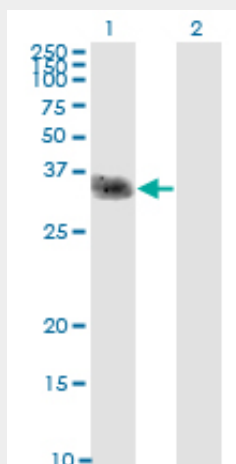
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLEC2D Antibody (monoclonal) (M01) - Images



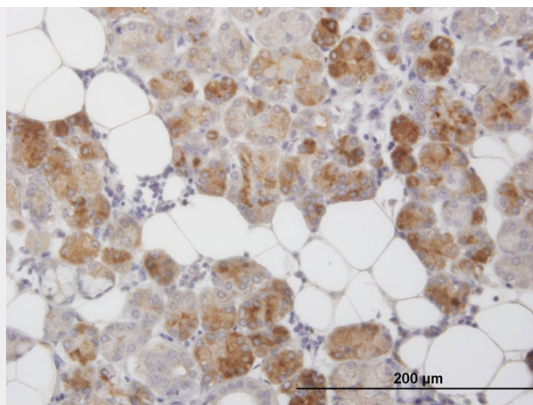
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.68 KDa) .



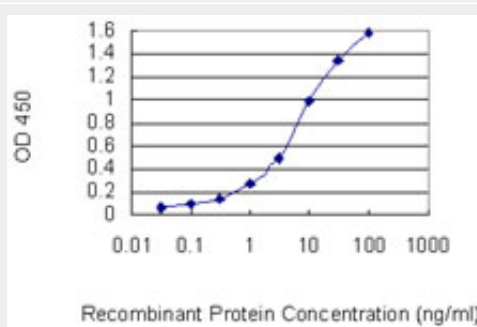
Western Blot analysis of CLEC2D expression in transfected 293T cell line by CLEC2D monoclonal antibody (M01), clone 4C7.

Lane 1: CLEC2D transfected lysate (21.8 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to CLEC2D on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged CLEC2D is 0.1 ng/ml as a capture antibody.

CLEC2D Antibody (monoclonal) (M01) - Background

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.

CLEC2D Antibody (monoclonal) (M01) - References

1. Induction of LLT1 cell surface expression by pathogens and IFN- γ contributes to modulate immune responses. Germain C, Meier A, Jensen T, Knapnougel P, Poupon G, Lazzari A, Neisig A, Hakansson K, Dong T, Wagtmann N, Galsgaard ED, Spee P, Braud VM. *J Biol Chem*. 2011 Sep 19;286(38):33207-15. Epub 2011 Sep 14.
2. Characterization of Alternatively Spliced Transcript Variants of CLEC2D Gene. Germain C, Bihl F, Zahn S, Poupon G, Dumaurier MJ, Rampanarivo HH, Padkjar SB, Spee P, Braud VM. *J Biol Chem*. 2010 Nov 12;285(46):36207-15. Epub 2010 Sep 14.
3. Functional Consequences of Interactions between Human NKR-P1A and Its Ligand LLT1 Expressed on Activated Dendritic Cells and B Cells. Rosen DB, Cao W, Avery DT, Tangye SG, Liu YJ, Houchins JP, Lanier LL. *J Immunol*. 2008 May 15;180(10):6508-17.
4. Malignant Glioma Cells Counteract Antitumor Immune Responses through Expression of Lectin-Like Transcript-1. Roth P, Mittelbronn M, Wick W, Meyermann R, Tatagiba M, Weller M. *Cancer Res*. 2007 Apr 15;67(8):3540-4.