

Anti-Sialoadhesin/CD169 antibody [HSn 7D2] ab18619

★★★★☆ [3 Abreviews](#) [9 References](#) [2 Images](#)

Overview

Product name	Anti-Sialoadhesin/CD169 antibody [HSn 7D2]
Description	Mouse monoclonal [HSn 7D2] to Sialoadhesin/CD169
Host species	Mouse
Tested applications	Suitable for: WB, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) corresponding to Human Sialoadhesin/CD169.
Epitope	Within domains 1-4.
Positive control	WB: Human spleen and human lymph node whole tissue lysate. IHC-Fr: Human liver normal tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	HSn 7D2
Isotype	IgG1

Light chain type

kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab18619 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 1 µg/ml.
IHC-Fr		Use a concentration of 5 µg/ml.

Target

Function

Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid (By similarity). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis.

Tissue specificity

Expressed by macrophages in various tissues. High levels are found in spleen, lymph node, perivascular macrophages in brain and lower levels in bone marrow, liver Kupffer cells and lamina propria of colon and lung. Also expressed by inflammatory macrophages in rheumatoid arthritis.

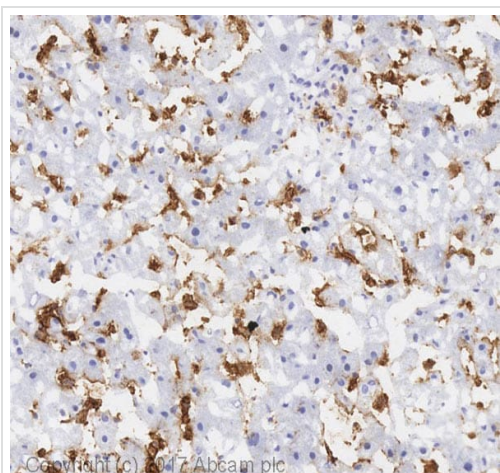
Sequence similarities

Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 16 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

Secreted and Cell membrane.

Images

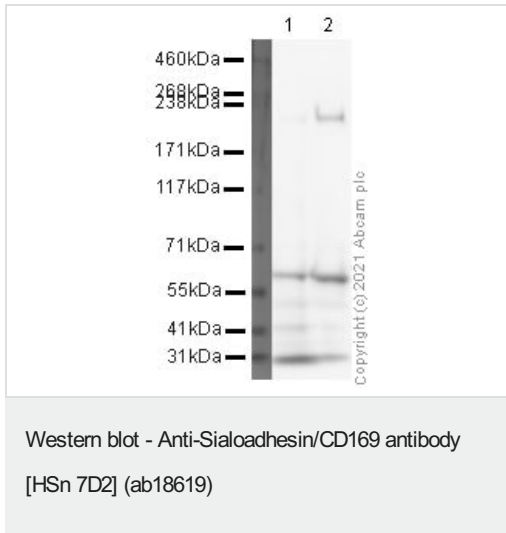


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Immunohistochemistry (Frozen sections) - Anti-Sialoadhesin/CD169 antibody [HSn 7D2] (ab18619)

IHC image of Sialoadhesin/CD169 staining in human liver frozen tissue section, fixed in 10% paraformaldehyde (10 min). Staining was performed on a Leica Bond system using the standard protocol F. The section was then incubated with ab18619, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



All lanes : Anti-Sialoadhesin/CD169 antibody [HSn 7D2] - BSA and Azide free (**ab269566**) at 1 µg/ml

Lane 1 : Human spleen whole tissue lysate

Lane 2 : Human lymph node whole tissue lysate

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP conjugated Goat Anti-Mouse IgG (H+L) at 1/5000 dilution

Performed under reducing conditions.

Exposure time: 20 minutes

This blot was produced using a 3-8% Tris-Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes.

The membrane was then blocked for an hour using 2% BSA before being incubated with **ab269566** overnight at 4°C. Antibody binding was detected using a Goat anti-mouse antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.

This image was produced using **ab269566**, the same antibody clone but in a different PBS only formulation

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