

## Product datasheet

# Anti-DC-SIGN antibody [C209/1781] - BSA and Azide free ab218883

[3 Images](#)

### Overview

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<b>Product name</b>	Anti-DC-SIGN antibody [C209/1781] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [C209/1781] to DC-SIGN - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human DC-SIGN. The exact sequence is proprietary. Database link: <a href="#">Q9NNX6</a>
<b>Positive control</b>	Human lung carcinoma, colon carcinoma and small intestine tissues.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	ab218883 was purified from Bioreactor Concentrate by Protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C209/1781

<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

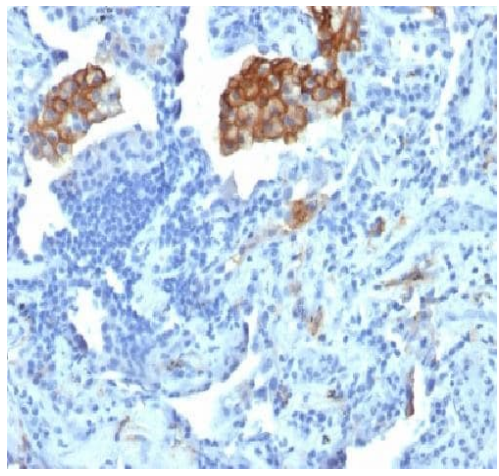
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab218883 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

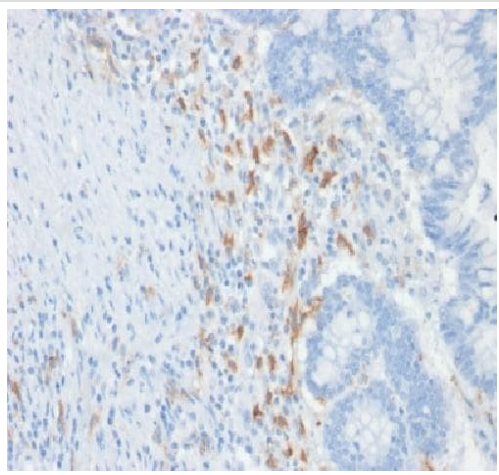
<b>Function</b>	<p>Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) and involved in initiation of primary immune response. Thought to mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. The receptor returns to the cell membrane surface and the pathogen-derived antigens are presented to resting T-cells via MHC class II proteins to initiate the adaptive immune response. Probably recognizes in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens, including HIV-1 gp120, HIV-2 gp120, SIV gp120, ebolavirus glycoproteins, cytomegalovirus gB, HCV E2, dengue virus gE, Leishmania pifanoi LPG, Lewis-x antigen in Helicobacter pylori LPS, mannose in Klebsiella pneumoniae LPS, di-mannose and tri-mannose in Mycobacterium tuberculosis ManLAM and Lewis-x antigen in Schistosoma mansoni SEA.</p> <p>On DCs it is a high affinity receptor for ICAM2 and ICAM3 by binding to mannose-like carbohydrates. May act as a DC rolling receptor that mediates transendothelial migration of DC precursors from blood to tissues by binding endothelial ICAM2. Seems to regulate DC-induced T-cell proliferation by binding to ICAM3 on T-cells in the immunological synapse formed between DC and T-cells.</p>
<b>Tissue specificity</b>	Predominantly expressed in dendritic cells and in DC-residing tissues. Also found in placental macrophages, endothelial cells of placental vascular channels, peripheral blood mononuclear cells, and THP-1 monocytes.
<b>Sequence similarities</b>	Contains 1 C-type lectin domain.
<b>Domain</b>	The tandem repeat domain, also called neck domain, mediates oligomerization.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



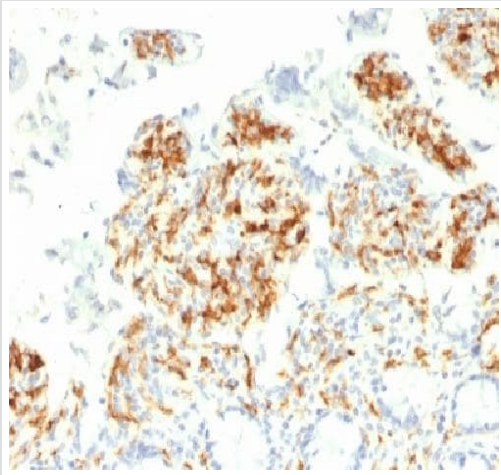
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung carcinoma tissue labeling DC-SIGN with ab218883 at 1  $\mu\text{g/ml}$  dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DC-SIGN antibody [C209/1781] - BSA and Azide free (ab218883)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma tissue labeling DC-SIGN with ab218883 at 1  $\mu\text{g/ml}$  dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DC-SIGN antibody [C209/1781] - BSA and Azide free (ab218883)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human small intestine tissue labeling DC-SIGN with ab218883 at 1 µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DC-SIGN antibody [C209/1781] - BSA and Azide free (ab218883)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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