abcam

Product datasheet

Anti-DC-SIGN antibody [EPR5588] ab124828

重组 RabMAb

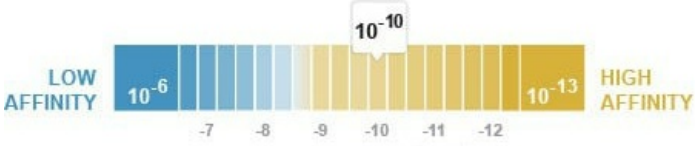
3 References 4 图像

概述

产品名称	Anti-DC-SIGN抗体[EPR5588]
描述	兔单克隆抗体[EPR5588] to DC-SIGN
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** IHC-P
种属反应性	**与反应:** Human **不与反应:** Mouse, Rat
免疫原	Synthetic peptide within Human DC-SIGN aa 1-100. The exact sequence is proprietary. Database link: **Q9NNX6**
阳性对照	WB: HACAT, fetal skin, fetal artery and Human small intestine lysates.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K_D)	$K_D = 1.19 \times 10^{-10}$ M



Learn more about K_D

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5588
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab124828于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 46 kDa).

应用说明 Is unsuitable for IHC-P.

靶标

功能 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 pneumonae LPS, di-mannose and tri-mannose in Mycobacterium tuberculosis ManLAM and Lewis-x antigen in Schistosoma mansoni SEA.
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 presursors 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.

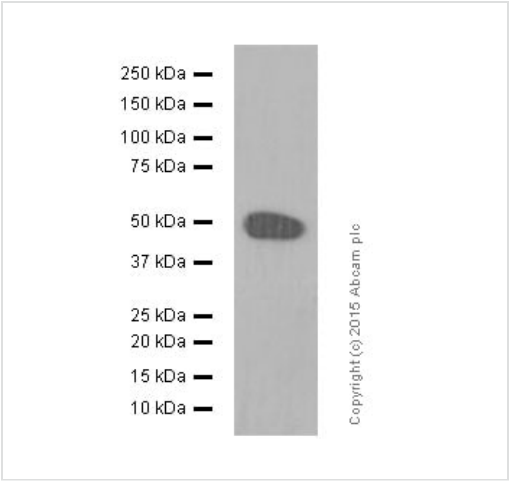
组织特异性 Predominantly expressed in dendritic cells and in DC-residing tissues. Also found in placental macrophages, endothelial cells of placental vascular channels, peripheral blood mononuclear cells, and THP-1 monocytes.

序列相似性 Contains 1 C-type lectin domain.

结构域 The tandem repeat domain, also called neck domain, mediates oligomerization.

细胞定位 Secreted and Cell membrane.

图片



Western blot - Anti-DC-SIGN antibody [EPR5588] (ab124828)

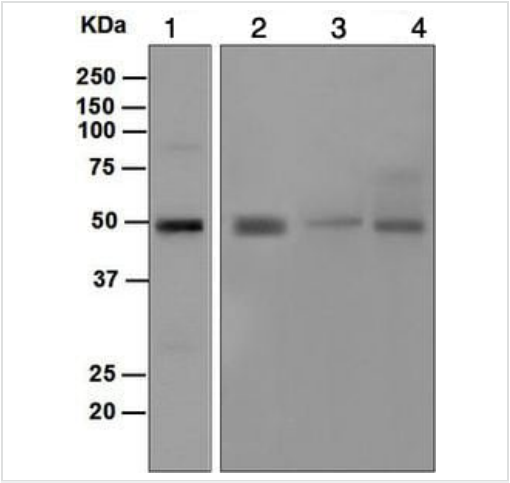
Anti-DC-SIGN antibody [EPR5588] (ab124828) at 1/1000 dilution (purified) + Human skin tissue lysate at 20 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 46 kDa

Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-DC-SIGN antibody [EPR5588] (ab124828)

All lanes : Anti-DC-SIGN antibody [EPR5588] (ab124828) at 1/1000 dilution (unpurified)

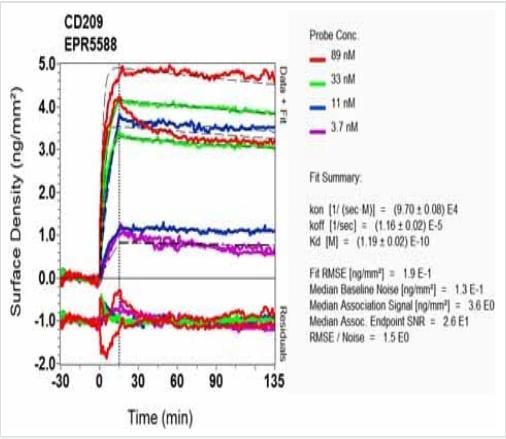
Lane 1 : HACAT cell lysate
Lane 2 : Fetal skin tissue lysate
Lane 3 : Fetal artery tissue lysate
Lane 4 : Human small intestine lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP conjugated goat anti-rabbit at 1/2000 dilution

Predicted band size: 46 kDa
Observed band size: 50 kDa

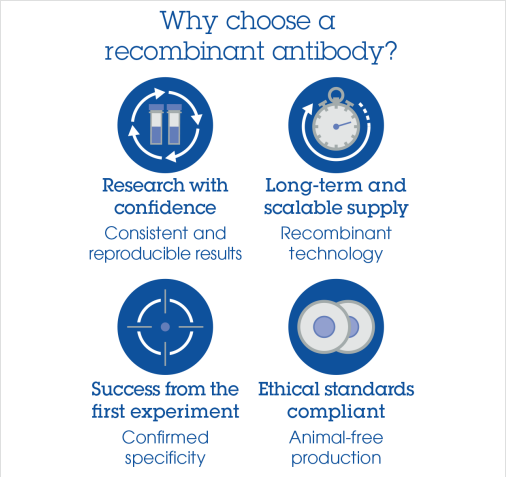


OI-RD Scanning - Anti-DC-SIGN antibody [EPR5588] (ab124828)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D



Anti-DC-SIGN antibody [EPR5588] (ab124828)

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