9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 36-2467: Anti-CD209 / DC-SIGN (Pathogen Receptor on Dendritic Cells) Monoclonal Antibody(Clone: C209/2749R)

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | C209/2749R |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | CD209 |
| **Gene ID :** | 30835 |
| **Uniprot ID :** | Q9NNX6 |
| **Alternative Name :** | CD209; CDSIGN; CIRE; CLEC4L; DC-SIGN; DC-SIGN1; DCSIGN; Dendritic cell-specific ICAM-3 Grabbing Non-integrin 1; HIV GP120 Binding Protein; SIGN-R1; SIGNR5 |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant full-length human CD209 protein |

## Description

DC-SIGN is a transmembrane receptor that is expressed on the surface of dendritic cells and macrophages. It is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization, which allows the receptor to bind multivalent ligands with high avidity.

## Product Info

| | |
|---|---|
| **Amount :** | 20 µg / 100 µg |
| **Content :** | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Storage condition :** | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

## Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA Buffer, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes),

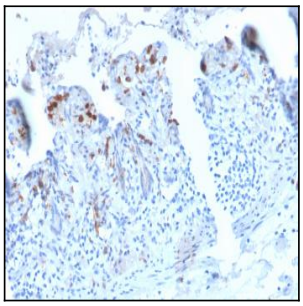


Fig. 1: Formalin-fixed, paraffin-embedded human Small Intestine stained with CD209 Recombinant Rabbit Monoclonal Antibody (C209/2749R).

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

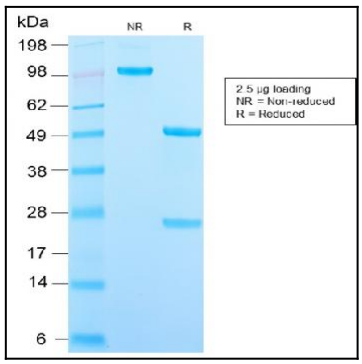



Fig. 2: SDS-PAGE Analysis Purified CD209 Recombinant Rabbit Monoclonal Antibody (C209/2749R). Confirmation of Purity and Integrity of Antibody.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***