

# Product Datasheet

## **DC-SIGNR/CD299/CLEC4M Antibody (16E7) - Chimeric - Azide and BSA Free NBP2-52649-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP2-52649-0.2mg**

DC-SIGNR/CD299/CLEC4M Antibody (16E7) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	16E7
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	10332
Gene Symbol	CLEC4M
Species	Human
Specificity/Sensitivity	Human CD299, which is an oligomeric type II transmembrane protein with a C-type lectin extracellular domain, the expression of which is restricted to immature DC, macrophages in the lung, and endothelial cells in the liver. It binds ICAM-3 and ICAM-7 to mediate the interaction of DC with T lymphocytes and endothelial cells in the initial stages of immune response and in the migratory behavior of DC. CD299 also binds the gp120 protein of HIV and the E2 envelope protein of HCV, thereby playing a role in viral infection.
Immunogen	CD299
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry 1:10 - 1:1000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
Application Notes	This antibody is Cytof ready. This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

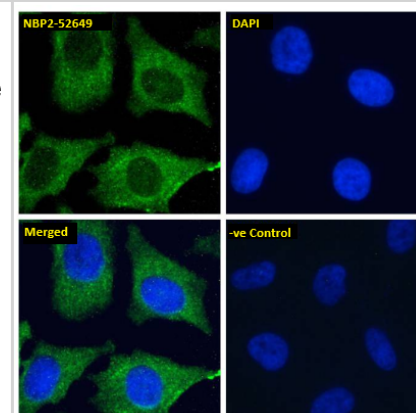


## Images

**Western Blot: DC-SIGNR/CD299/CLEC4M Antibody (16E7) - Chimeric [NBP2-52649]** - Western Blot using anti-DC-SIGNR (CLEC4M) antibody 16E7. Jurkat cell extract (35ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of 16E7 (NBP2-52649) at 0.1 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for DC-SIGNR is 45.3kDa, though 9 other isoforms of this protein are known ranging in size from 22.4-44.7kDa (Uniprot ID: Q9H2X3). DC-SIGNR is also glycosylated at several positions. NBP2-52649 successfully detected the canonical human DC-SIGNR, as well as multiple other isoforms.



**Immunocytochemistry /Immunofluorescence: DC-SIGNR/CD299/CLEC4M Antibody (16E7) - Chimeric - Azide and BSA Free [NBP2-52649]** - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with NBP2-52649 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-52649, DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor 488 secondary antibody.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-48770PEP	DC-SIGNR/CD299/CLEC4M Recombinant Protein Antigen
6507-IL-010/CF	IL-4 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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