IONPATH

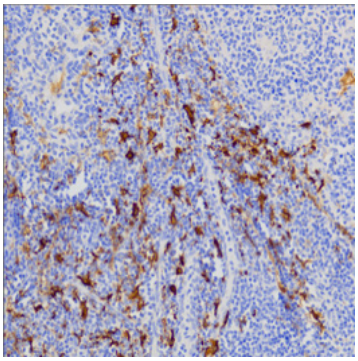
TECHNICAL DATA SHEET

DC-SIGN [DCN46] - 173Yb

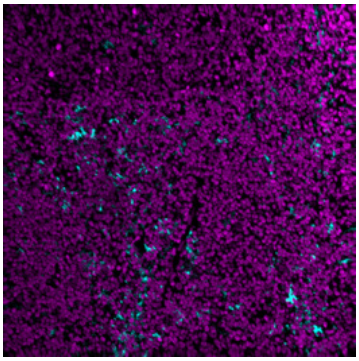
Catalog: 717301 **Clone:** DCN46 **Isotype:** Mouse IgG2b

Reactivity: Human* **Application:** MIBI-FFPE

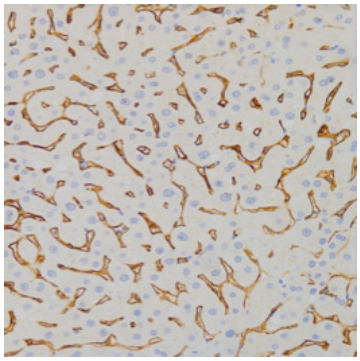
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



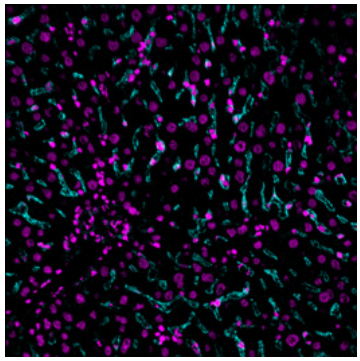
IHC: DC-SIGN antibody staining of FFPE human tonsil



MIBI: DC-SIGN antibody staining (cyan) of FFPE human tonsil, costained with dsDNA (magenta)



IHC: DC-SIGN antibody staining of FFPE human liver



MIBI: DC-SIGN antibody staining (cyan) of FFPE human liver, costained with dsDNA (magenta)

Background	DC-SIGN (Dendritic Cell-Specific Intercellular adhesion molecule-3-Grabbing Non-integrin) also known as CD209, is expressed on myeloid dendritic cells and macrophages. DC-SIGN binds to ICAM-2, ICAM-3 and is a receptor for certain viruses including HIV-1, transmitting HIV-1 to CD4 expressing T cells. DC-SIGN has roles in CD4+ T cell activation, dendritic cell rolling and transendothelial migration.
Validation	Each lot of conjugated antibody is quality control tested by staining tissue following the MIBI Staining Protocol optimized for the applicable tissue format with subsequent MIBIscope analysis using the appropriate positive and negative tissue field of views. These results are pathologist verified.
Recommended Usage	Human FFPE: 1:100 dilution. For optimal results, the antibody should be titrated for each desired application.

References

Geijtenbeek, T.B., Kwon, D.S., Torensma, R., van Vliet, S.J., van Duijnhoven, G.C., Middle, J., Cornelissen, I.L., Nottet, H.S., KewalRamani, V.N., Littman, D.R., Figdor, C.G., van Kooyk, Y. DC-SIGN, a dendritic cell-specific HIV-1-binding protein that enhances trans-infection of T cells. *Cell*. 2000; **100**(5): 587–97.

* Conjugate tested on human tissue.

Technical Support
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