

CD11c [D1V9Y] - 144Nd

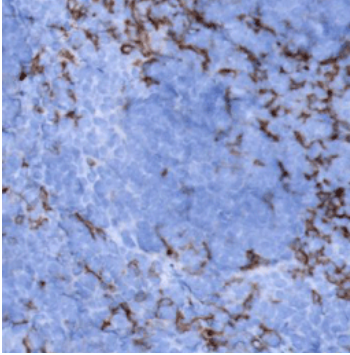
Catalog: 714402

Clone: [D1V9Y]

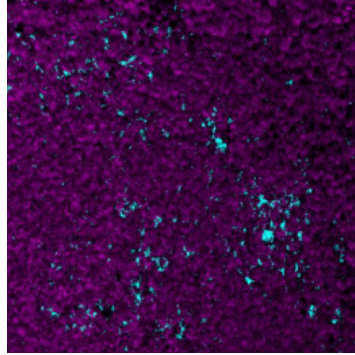
Isotype: Rabbit IgG

Reactivity: Mouse*

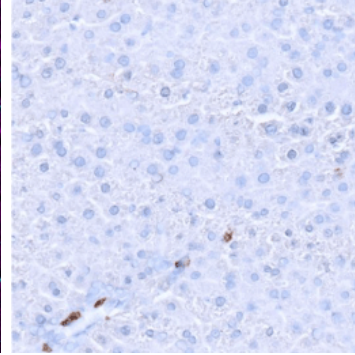
Application: MIBI-FFPE

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


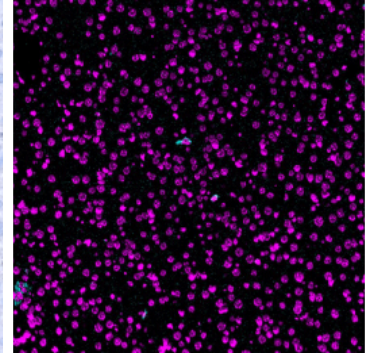
IHC: CD11c staining of FFPE mouse spleen



MIBI: CD11c staining (cyan) of FFPE mouse spleen, costained with dsDNA (magenta)



IHC: CD11c staining of FFPE mouse liver



MIBI: CD11c staining (cyan) of FFPE mouse liver, costained with dsDNA (magenta)

Background

CD11c is expressed by dendritic cells, monocytes, macrophages, neutrophils, and some B cells. CD11c is one of four $\beta 2$ integrins along with CD11a, C11b and CD11d. CD11c is a receptor for fibrinogen and functions in chemotaxis and cell adhesion. Integrins mediate myeloid cell recruitment from the blood vessels into tissue and lymph nodes and contribute to the immunological synapse between T cells and antigen presenting cells.

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 of stained tissue microarray using the appropriate positive and negative tissue field of views. These results are pathologist verified.

Recommended Usage

Mouse FFPE: 1:100 dilution. For optimal results, the antibody should be titrated for each desired application.

References

Schittenhelm, L., Hilkens, C.M., and Morrison, V.L. $\beta 2$ Integrins As Regulators of Dendritic Cell, Monocyte, and Macrophage Function. *Front Immunol.* 2017; 20(8):1866.

* Conjugate tested on mouse FFPE tissue.