IONPATH

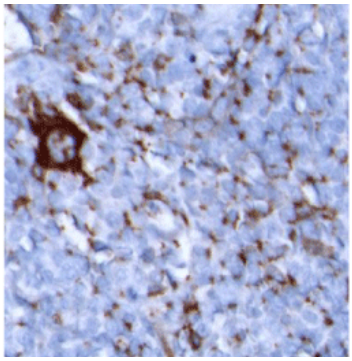
TECHNICAL DATA SHEET

CD49b [EPR17338] - 151Eu

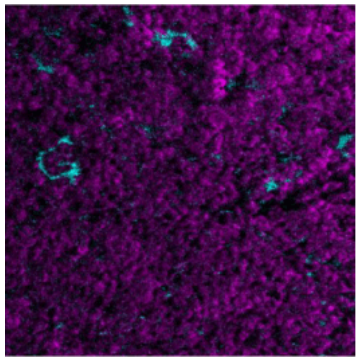
Catalog: 715102 **Clone:** [EPR17338] **Isotype:** Rabbit IgG

Reactivity: Mouse*, Rat, and Human **Application:** MIBI-FFPE

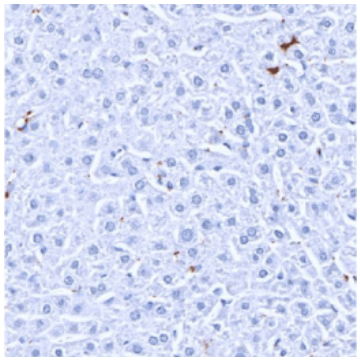
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



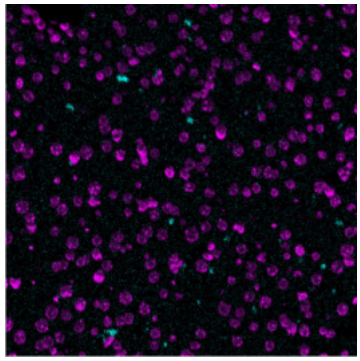
IHC: CD49b staining of FFPE mouse spleen



MIBI: CD49b staining (cyan) of FFPE mouse spleen, costained with dsDNA (magenta)



IHC: CD49b staining of FFPE mouse liver



MIBI: CD49b staining (cyan) of FFPE mouse liver, costained with dsDNA (magenta)

Background	Integrin alpha-2, or CD49b, is expressed on platelets, megakaryocytes, monocytes, B cells, NKT cells, the majority of NK cells, and a small subset of CD8+ T cells. It serves as a useful marker for identifying NK cells in mice. Integrins are involved in cell adhesion and also participate in cell-surface-mediated signalling.
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

Wilford Goh and Nicholas D. Huntington. Regulation of Murine Natural Killer Cell Development. *Front Immunol.* 2017; 8: 130.

* Conjugate tested on mouse FFPE tissue.

Technical Support
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