

## CD49b (HMa2) -151Eu

**Catalog:** 715103

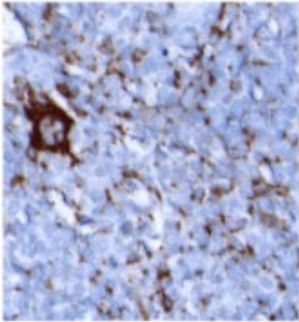
**Clone:** HMa2

**Isotype:** Rabbit IgG

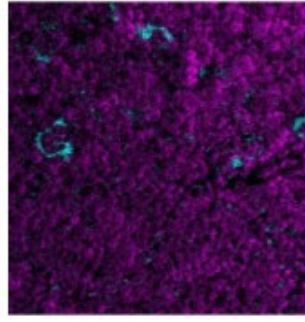
**Reactivity:** Human\*, Mouse\*

**Application:** MIBI-FFPE

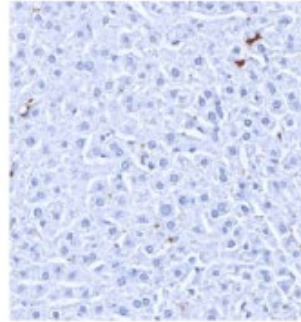
**Storage:** Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C.



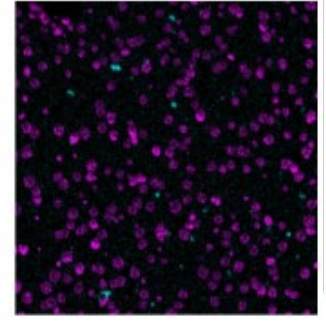
IHC: CD49b staining of  
FFPE mouse spleen



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.

**MIBI technology:** Learn more about [MIBI™ Technology](#), a multiplex IHC technology with unmatched sensitivity and true subcellular resolution.

### 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.