IONPATH

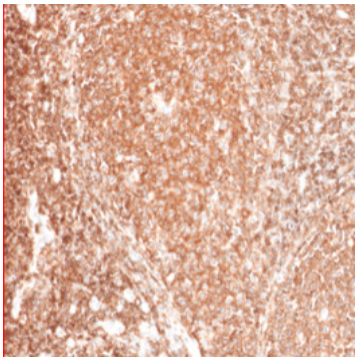
TECHNICAL DATA SHEET

CD45 [2B11 & PD7/26] - 175Lu

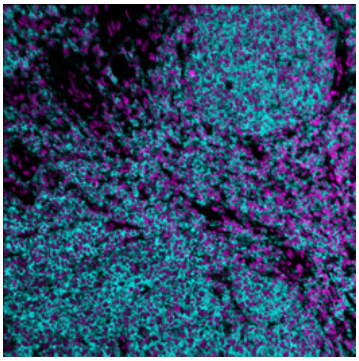
Catalog: 717501 **Clone:** 2B11 & PD7/26 **Isotype:** Mouse IgG1

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

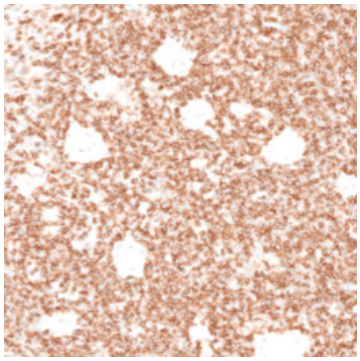
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



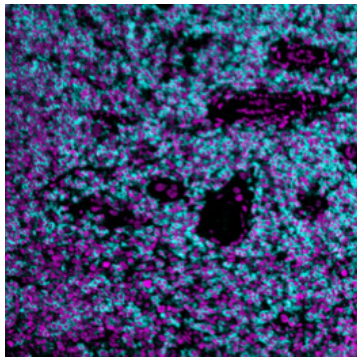
IHC: CD45 staining of FFPE human tonsil



MIBI: CD45 staining (cyan) of FFPE human tonsil, costained with dsDNA (magenta)



IHC: CD45 staining of FFPE human thymus



MIBI: CD45 staining (cyan) of FFPE human thymus, costained with dsDNA (magenta)

Background	CD45 is a tyrosine phosphatase expressed on all hematopoietic cells, except erythrocytes or platelets. CD45 regulates B cell receptor (BCR) and T cell receptor (TCR) activity by dephosphorylating kinases in these antigen/receptor pathways. The regulation of the TCR and BCR pathways are dependent upon the spatial organization of kinases and phosphatases. In the initial stage of receptor signaling, CD45 is excluded from the signaling area.
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

Leupin O., Zaru R., Laroche T., Müller S., Valitutti S.Exclusion of CD45 from the T-cell receptor signaling area in antigen-stimulated T lymphocytes. *Curr Biol*. 2000; **10**(5):277-80.

* Conjugate tested on human tissue.

Technical Support
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