

CD8 [C8/144B] - 158Gd

Catalog: 715801

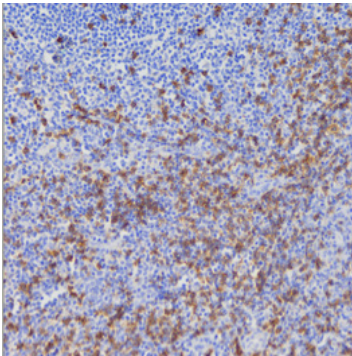
Clone: C8/144B

Isotype: Mouse IgG1

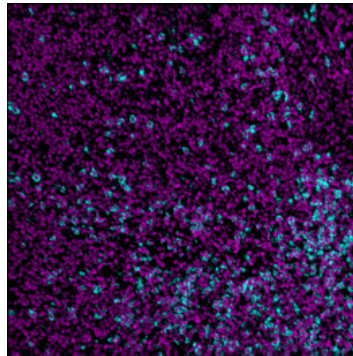
Reactivity: Human*

Application: MIBI-FFPE

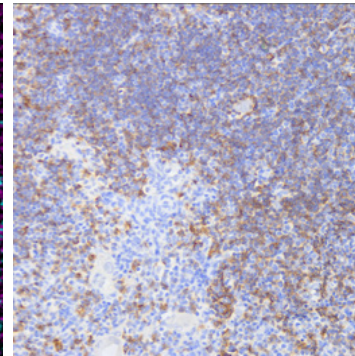
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



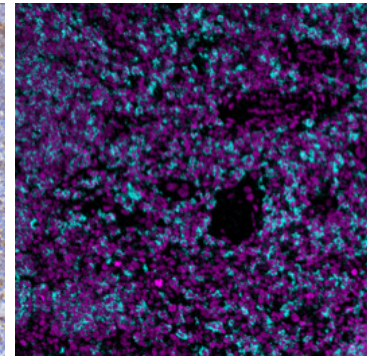
IHC: CD8 staining of FFPE human tonsil



MIBI: CD8 staining (cyan) of FFPE human tonsil, costained with dsDNA (magenta)



IHC: CD8 staining of FFPE human thymus



MIBI: CD8 staining (cyan) of FFPE human thymus, costained with dsDNA (magenta)

Background

CD8 is a co-receptor for the T cell receptor (TCR) and is expressed on cytotoxic T cells. Cortical thymocytes, dendritic cells and NK cells can also express CD8. CD8 binds to MHC Class I to aid in antigen recognition and TCR-mediated activation. CD8 forms dimers of CD8 α and CD8 β and clone C8/144B recognizes the alpha form of CD8.

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

Guy, C. S. and Vignali, D. A. Organization of proximal signal initiation at the TCR:CD3 complex. *Immunological Reviews*. 2009; **232**: 7-21.

Gao, G. F., Rao, Z., and Bell, J. I. Molecular coordination of $\alpha\beta$ T-cell receptors and coreceptors CD8 and CD4 in their recognition of peptide-MHC ligands, *Trends in Immunology*, 2002; **23**(8):408-13.

* Conjugate tested on human tissue.