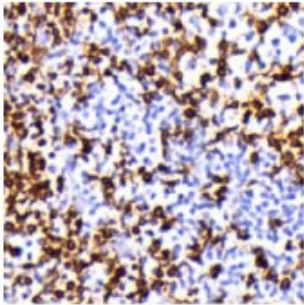
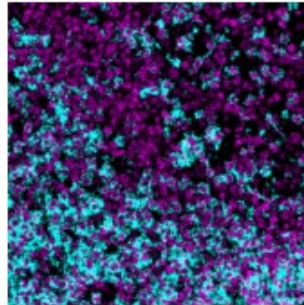


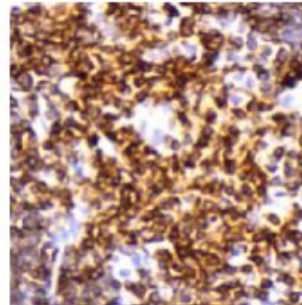
CD3e (D7A6E) – 159Tb

Catalog: 715901**Clone:** D7A6E**Isotype:** Rabbit IgG**Reactivity:** Human***Application:** MIBI–FFPE**Storage:** Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C.

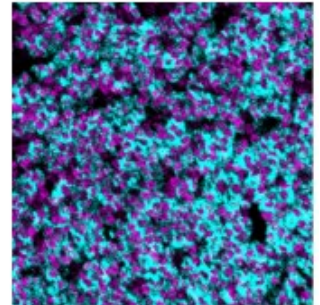
IHC: CD3 staining of FFPE human tonsil



MIBI: CD3 antibody staining (cyan) of FFPE human tonsil, counterstained with dsDNA (magenta)



IHC: CD3 staining of FFPE human thymus



MIBI: CD3 antibody staining (cyan) of FFPE human thymus, counterstained with dsDNA (magenta)

Background

CD3 is found on all mature T cells, serving important roles for T cell development. CD3 is part of the T cell receptor that recognizes antigen, resulting in the activation of signaling pathways. During T cell development the intensity of the response to antigen is tightly controlled to select for responsive T cells that are not autoreactive. In disease, the lack of CD3 expression is associated with a severe combined immunodeficiency (SCID) characterized by impairment of both humoral and cell-mediated immunity.

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

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

* Conjugate tested on human and mouse FFPE tissue.