

Granzyme B [D6E9W] - 150Nd

Catalog: 715005

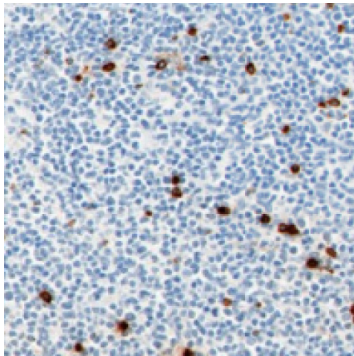
Clone: D6E9W

Isotype: Rabbit IgG

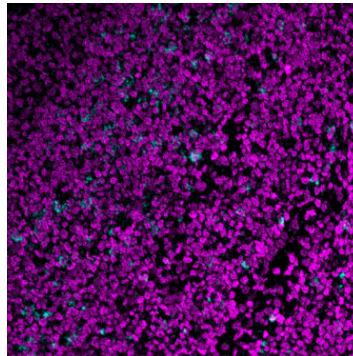
Reactivity: Human*, Mouse

Application: MIBI-FFPE

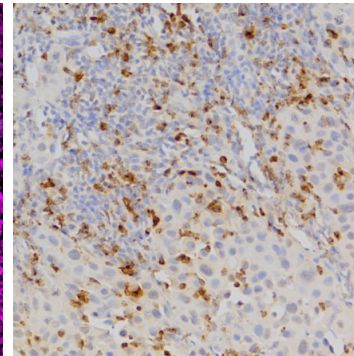
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



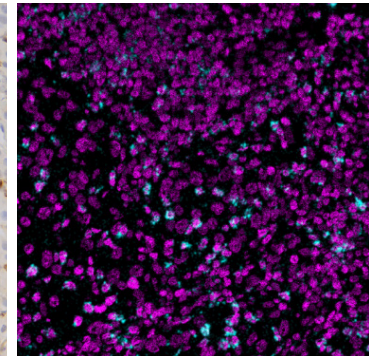
IHC: Granzyme B staining of FFPE human tonsil



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



IHC: Granzyme B staining of FFPE human lung adenocarcinoma



MIBI: Granzyme B staining (cyan) of FFPE human lung adenocarcinoma, costained with dsDNA (magenta)

Background

Granzyme B, one of 5 granzymes in humans, is a serine protease primarily produced by cytotoxic T cells and NK cells and released along with perforin to induce apoptosis of target cells. It serves as one of the activation markers for CD8+ memory T cells. Inflammation can also lead to granzyme B production by T helper cells, regulatory T cells, and many cell types of the myeloid lineage. Granzyme B contributes to certain diseases including COPD and asthma.

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.

Recommended Usage

Human FFPE: 1.5 ug/mL. For optimal results, the antibody should be titrated for each desired application.

References

Boivin, W.A., Cooper, D.M., Hiebert, P.R., Granville, D.J. Intracellular versus extracellular granzyme B in immunity and disease: challenging the dogma. *Laboratory Investigation*. 2009; 89:1195-1220.

* Conjugate tested on human tissue.