IONPATH

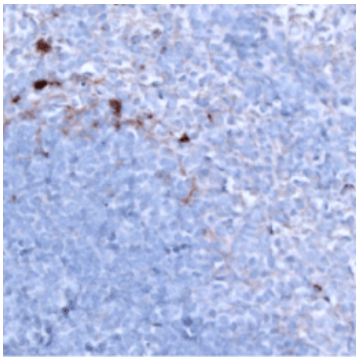
TECHNICAL DATA SHEET

Granzyme B [EPR22645-206] - 150Nd

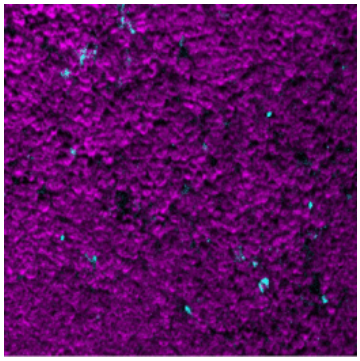
Catalog: 715003 **Clone:** [EPR22645-206] **Isotype:** Rabbit IgG

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

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



IHC: Granzyme B staining of FFPE mouse spleen



MIBI: Granzyme B staining (cyan) of FFPE mouse spleen, 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.
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.

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.

Tobias M. Nowacki *et al.* Granzyme B production distinguishes recently activated CD8+ memory cells from resting memory cells. *Cell Immunol*. 2007 May; 247(1): 36-48.

* Conjugate tested on mouse FFPE tissue.

Technical Support
support@ionpath.com ▪ www.ionpath.com