

TIM-3 [D5D5R] - 162Dy

Catalog: 716204

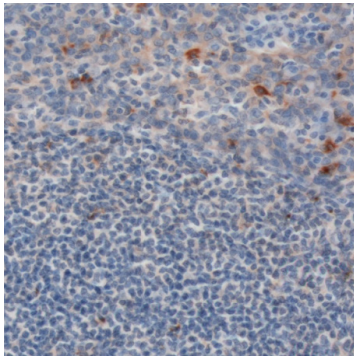
Clone: D5D5R

Isotype: Rabbit IgG

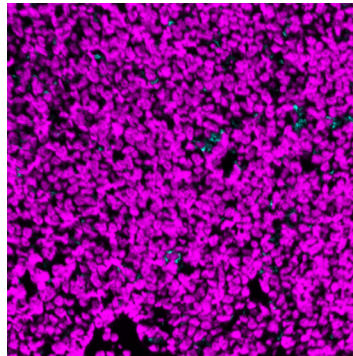
Reactivity: Human*

Application: MIBI-FFPE

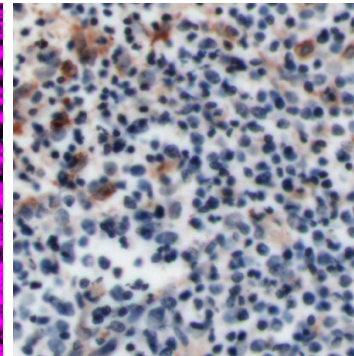
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



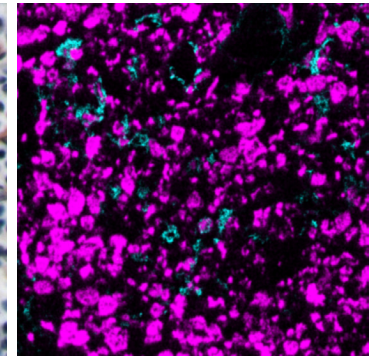
IHC: TIM-3 staining of FFPE human tonsil



MIBI: TIM-3 staining (cyan) of FFPE human tonsil, costained with dsDNA (magenta)



IHC: TIM-3 staining of FFPE human thymus



MIBI: TIM-3 staining (cyan) of FFPE human thymus, costained with dsDNA (magenta)

Background

TIM-3 (T-cell immunoglobulin and mucin-domain containing-3) is an immune checkpoint protein involved in negatively regulating immune responses. TIM-3 can be expressed on T cells including regulatory T cells, NK cells, monocytes and macrophages. In cancer, TIM-3 has been identified on tumor-infiltrating lymphocytes making TIM-3 an attractive target for reversing the immune suppression that is characteristic of the tumor microenvironment. Outside of cancer, TIM-3 contributes to T cell exhaustion that occurs from chronic viral infections and importantly helps mediate maternal-fetal tolerance.

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.

Recommended Usage

Human FFPE: 1 ug/mL dilution.
For optimal results, the antibody should be titrated for each desired application.

References

1. Das, M., Zhu, C., Kuchroo, V.K. Tim-3 and its role in regulating anti-tumor immunity. *Immunol Rev.* 2017; 276(1):97-111.
2. Li, Y. et al. Tim-3 signaling in peripheral NK cells promotes maternal-fetal immune tolerance and alleviates pregnancy loss. *Sci Signal.* 2017; 10, eaah4323.

* Conjugate tested on human tissue.