

TIM-3 [EPR22241] - 162Dy

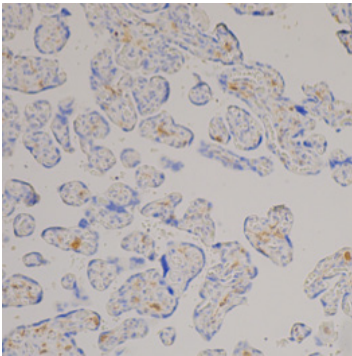
Catalog: 716201

Clone: EPR22241

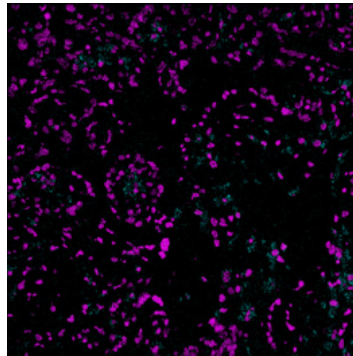
Isotype: Rabbit IgG

Reactivity: Human*

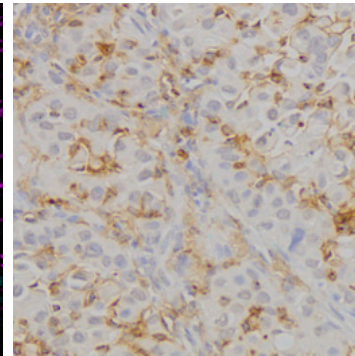
Application: MIBI-FFPE

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


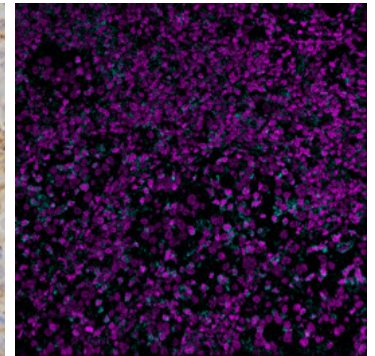
IHC: TIM-3 staining of FFPE human placenta



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



IHC: TIM-3 staining of FFPE human lung adenocarcinoma



MIBI: TIM-3 staining (cyan) of FFPE human lung adenocarcinoma, 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. 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

Das, M., Zhu, C., Kuchroo, V.K. Tim-3 and its role in regulating anti-tumor immunity. *Immunol Rev.* 2017; **276**(1):97-111.

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.