

Ly6G [1A8] - 173Yb

Catalog: 717302

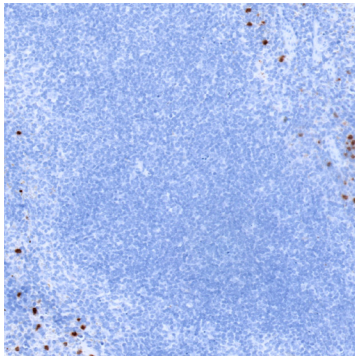
Clone: 1A8

Isotype: Rat IgG2a

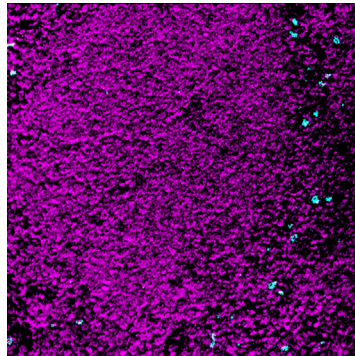
Reactivity: Mouse*

Application: MIBI-FFPE

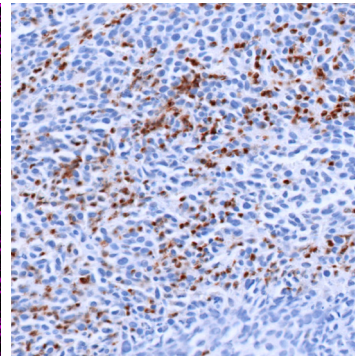
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



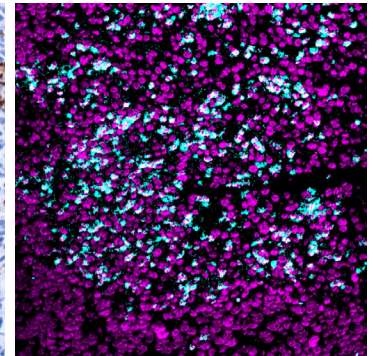
IHC: Ly6G staining of FFPE mouse spleen



MIBI: Ly6G staining (cyan) of FFPE mouse spleen, counterstained with dsDNA (magenta)



IHC: Ly6G staining of FFPE mouse CT26 tumor



MIBI: Ly6G staining (cyan) of FFPE mouse CT26 tumor, counterstained with dsDNA (magenta)

Background

Ly6G (Lymphocyte antigen 6 complex locus G6D) is a component of the myeloid differentiation antigen Gr-1, together with Ly6C. The Ly6G is expressed by myeloid derived cells and can be used as a marker for detection of neutrophils and granulocytic MDSCs. Ly6G has also been implicated in the development of antitumor responses.

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

Mouse FFPE: 3 ug/mL dilution. For optimal results, the antibody should be titrated for each desired application.

References

Vincenzo Bronte et al. Recommendations for myeloid-derived suppressor cell nomenclature and characterization standards. *Nat Commun.* 2016; 7: 12150.

Gaël Boivin et al. Anti-Ly6G binding and trafficking mediate positive neutrophil selection to unleash the anti-tumor efficacy of radiation therapy. *Oncoimmunology.* 2021; 10(1): 1876597.

* Conjugate tested on mouse tissue.