

## CD206 [E2L9N]-174Yb

**Catalog:** 717402

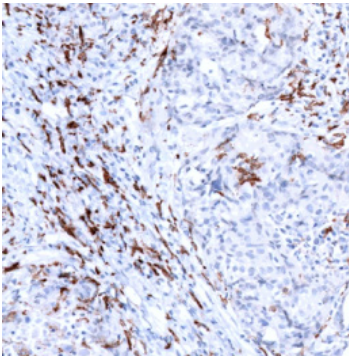
**Clone:** E2L9N

**Isotype:** Rabbit IgG

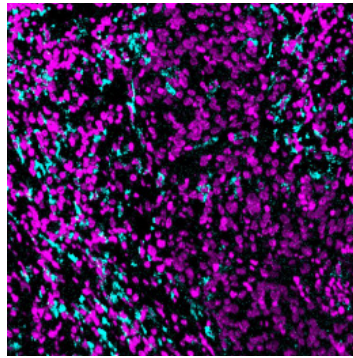
**Reactivity:** Human\*, Mouse

**Application:** MIBI-FFPE

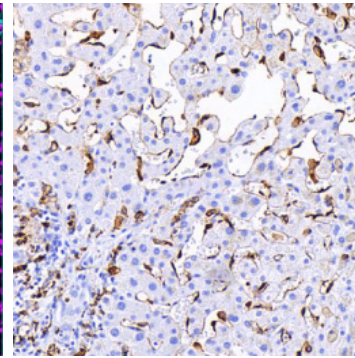
**Storage:** Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



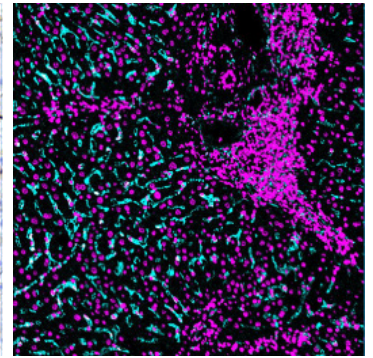
**IHC:** CD206 staining of macrophages in FFPE human p16+ squamous cell carcinoma



**MIBI:** CD206 staining (cyan) of FFPE human p16+ squamous cell carcinoma, costained with dsDNA (magenta)



**IHC:** CD206 staining of sinusoidal endothelial cells in FFPE human liver



**MIBI:** CD206 staining (cyan) of FFPE human liver, costained with dsDNA (magenta)

### Background

The mannose receptor CD206 is predominantly expressed on the surface of macrophages, dendritic cells and liver sinusoidal endothelial cells. CD206 mediates endocytosis and phagocytosis as well as activation of macrophages and antigen presentation and, therefore, plays an important role in host defense. Expression of CD206 on tumor-associated macrophages has been associated with immunosuppression, tumorigenesis and resistance to cancer therapies.

### 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

Pablo Scodeller et al. Precision targeting of tumor macrophages with a CD206 binding peptide. *Sci Rep.* 2017 Nov 7;7(1):14655.

\* Conjugate tested on human tissue.