IONPATH

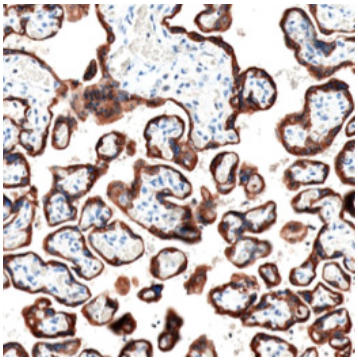
TECHNICAL DATA SHEET

Keratin [AE1/AE3] - 165Ho

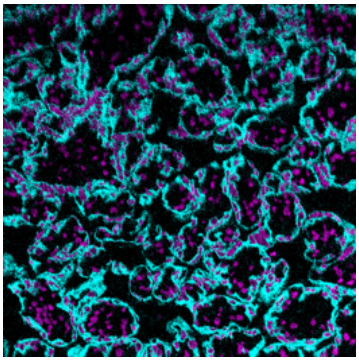
Catalog: 716501 **Clone:** AE1/AE3 **Isotype:** Mouse IgG1

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

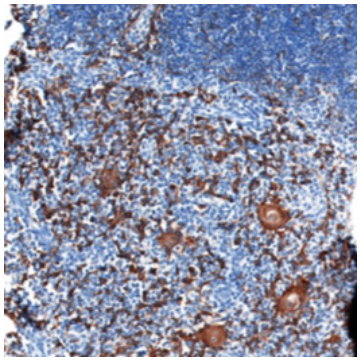
Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C



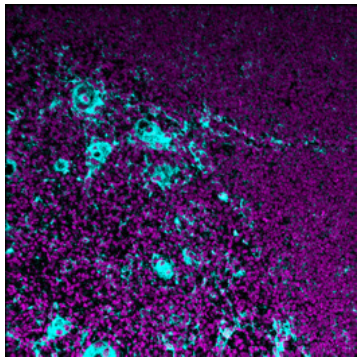
IHC: Keratin staining of FFPE human placenta



MIBI: Keratin staining (cyan) of FFPE human placenta, costained with dsDNA (magenta)



IHC: Keratin staining of FFPE human thymus



MIBI: Keratin staining (cyan) of FFPE human thymus, costained with dsDNA (magenta)

Background	Keratin is a fibrous structural protein that assembles into bundles to form intermediate filaments of the cytoskeleton within epithelial cells. The present antibody is a mix of clones AE1 and AE3 that recognize most acidic and basic cytokeratin family members (CK1, 2, 3, 4, 5, 6, 7, 8, 10, 14, 15, 16 and 19). Specific tumor types express these keratins making this a useful marker in the identification of tumor cells and of the origin of a neoplasm.
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

Jacob, J.T., Coulombe, P.A., Kwan, R., Omary, M.B. Types I and II Keratin Intermediate Filaments. *Cold Spring Harbor Perspect Biol*. 2018; **10**(4).

* Conjugate tested on human tissue.

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