

Product Datasheet

Acidic Cytokeratin Antibody (LMW / Type I) (orb606883)

Catalog Number	orb606883
Category	Antibodies
Description	This MAb recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50, 48, 46, 45, and 40kDa. MAb SPM116 recognizes the 65-67, 64, 59, 58, 56, and 52kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. SPM115/SPM116 is a broad spectrum anti pan-keratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	Solubilized keratin extract from human stratum corneum was used as the immunogen for the Acidic Cytokeratin antibody.
UniProt ID	Q7Z794
Tested applications	IHC-P, WB

Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
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Application notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Acidic Cytokeratin antibody to be titrated up or down for optimal performance.¹ The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Antibody Type

Primary Antibody

Clone Number

SPM115

Formula

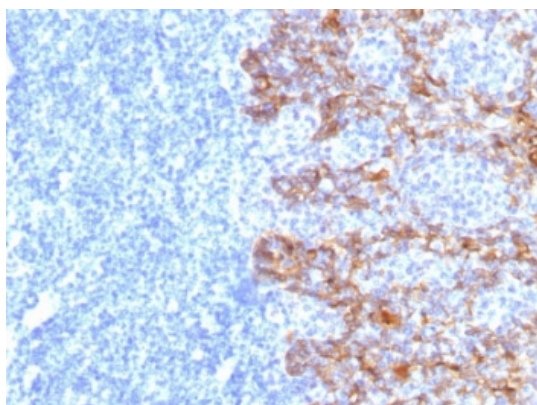
0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only



IHC staining of FFPE human tonsil tissue with Acidic Cytokeratin antibody (clone SPM115). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 10-20 min and allow to cool before testing.

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