

Cytokeratin Cocktail clone AE1 & AE3

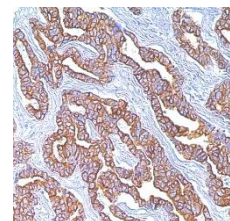
Instructions for Use

Specification:

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI <5.7) and basic (pI >6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratin's, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. AE1/AE3 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).

Availability:

Catalog No.	Contents	Volume
ILM3133-C01	Cytokeratin Cocktail	0,1 ml concentrate
ILM3133-C05	Cytokeratin Cocktail	0,5 ml concentrate
ILM3133-C1	Cytokeratin Cocktail	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.

Clone: AE1 & AE3

Species of origin: Mouse

Isotype: IgG_{1K}, IgG_{1K}

Control Tissue: Colon, prostate, salivary gland, skin, stomach, hepatocytes

Staining: Cytoplasmic

Immunogen: Human epidermal keratin

Presentation: Bioreactor Concentrate with 0.05% sodium azide, the ready-to-use antibody is diluted in Tris Buffer, pH 7.3-7.7, with 1% BSA and <0.1% Sodium Azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution 1:100-1:200)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

- Ready-to-use: Apply the prediluted antibody and incubate for 30-60 minutes at room temperature.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Battifora, H. Am J Surg Pathol 1988;12:24
- 2) Gown, AM, et al. Am J Clin Pathol 1985;84:413
- 3) Knapp, AC, et al. Cell 1989;59:67-79
- 4) Sunn, TT et al. J Invest Dermatol 1983;81:109s-115s
- 5) Eichner, R et al. J Cell Biol 1984;98:1388-1396
- 6) Lewis JE et al. Hum Pathol. 1997 Jun;28(6):664-73
- 7) Mueller JD et al. Cancer. 2000 Nov 1;89(9):1874-82
- 8) Sato F et al. Br J Surg. 2001 Mar;88(3):426-32