

## Cytokeratin PAN clone AE1 + AE3 + C11 + DC10

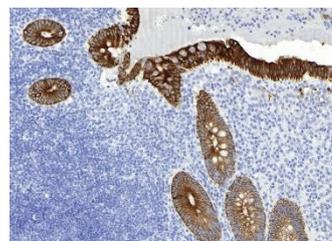
### Instructions for Use

#### 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, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT-PAN is a broad-spectrum anti pan-cytokeratin 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. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratin's present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.

#### Availability:

Catalog No.	Contents	Volume
ILM7999-C01	Cytokeratin PAN	0,1 ml concentrate
ILM7999-C05	Cytokeratin PAN	0,5 ml concentrate
ILM7999-C1	Cytokeratin PAN	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 + C11 + DC10

**Species of origin:** Mouse

**Isotype:** IgG's, kappa

**Control Tissue:** Skin, Adeno- or Squamous carcinomas

**Staining:** Cytoplasmic

**Immunogen:** Human epidermal keratin

**Presentation:** Bioreactor Concentrate with 0.05% 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 formalin-fixed, paraffin embedded tissue section (dilution up to 1:100 / 1:200)

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

**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 Freeze. Do not use after expiration date printed on the vial.

#### References:

- 1) Woodcock-Mitchell J *et. al.* Journal of Cell Biology 1982; 95:580-8.
- 2) Tseng SCG *et. al.* Cell 1982; 30361.