

## Cytokeratin, pan (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone KRTL/1077 + KRTH/1076]

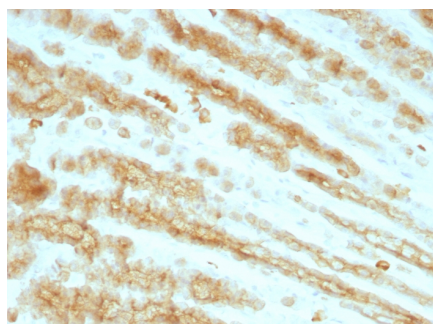
Catalog No	Format	Size
MSM10-1100-P0	Purified Ab with BSA and Azide	200ug/ml
MSM10-1100-P1	Purified Ab with BSA and Azide	200ug/ml
MSM10-1100-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

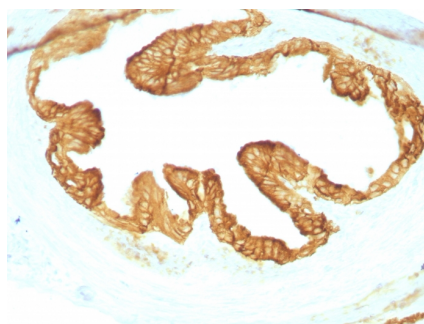
Product Details	
<b>Clone</b>	KRTL/1077 + KRTH/1076
<b>Gene Name</b>	KRT77
<b>Immunogen</b>	Recombinant human KRT77 and KRT76 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19)
<b>Species Reactivity</b>	Human, Rat
<b>Positive Control</b>	Adeno- or Squamous carcinomas., Skin

*\*Optimal dilution for a specific application should be determined.*

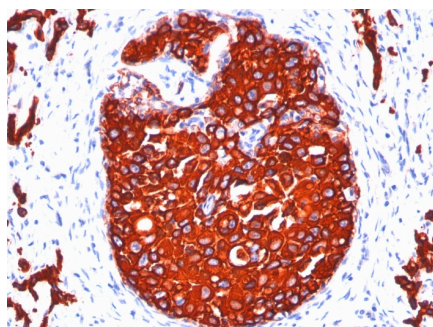
### Product Images for Cytokeratin, pan (Epithelial Marker) Antibody



Formalin-fixed, paraffin-embedded Rat Stomach stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



Formalin-fixed, paraffin-embedded Rat Oviduct with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).

### Specificity & Comments

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRTL/KRTH 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 has been used to characterize 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 cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.

---

### Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

---

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

---

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

---

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

---