

## Product datasheet for AM33008PU-N

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## **KRT6A Mouse Monoclonal Antibody [Clone ID: LL020]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: LL020

**Applications:** IF, IHC, WB

Recommended Dilution: Immunoblotting.

Immunofluorescence.

Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections.

Reactivity: Human, Zebrafish

Host: Mouse Isotype: IgM

Clonality: Monoclonal

**Immunogen:** Fusion of SP2/0-Ag14 murine myeloma cells with spleen cells from a mouse immunized with

a carboxyterminal peptide of cytokeratin 6.

**Specificity:** LL020 can be used as a proliferation marker in hyperproliferative malignant tissue, such as

squamous cell carcinoma of the lung.

Keratin 6 is specifically found in hyperproliferative squamous epithelium such as psoriatic lesions and squamous cell carcinomas, e.g. of the lung. It is expressed in suprabasal

keratinocytes of wounded epidermis, a situation of high cell turnover. LL020 reacts with the

basal and suprabasal layers of the entire outer root sheath in normal skin.

Formulation: PBS

State: Purified

State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide

**Concentration:** lot specific

Conjugation: Unconjugated

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freeze-thaw cycles.

**Stability:** Shelf life: One year from despatch.

Gene Name: keratin 6A





Database Link: Entrez Gene 3853 Human

P02538

**Background:** Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a

remarkable biochemical diversity, represented in epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH

between 4.9 – 7.8. The individual cytokeratin polypeptides are numbered 1 to 20.

The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or

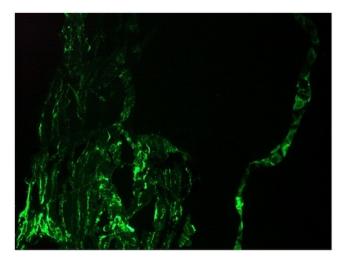
differentiation within an epithelium.

Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.

sections, but are also a aseral tool in eyeopathology and now eyeometric

Synonyms: Cytokeratin 6, KRT-6, K6, KRT6A, KRT6D, KRT6B, KRT6C, KRT6E, KRTL1

# **Product images:**



Immunofluorescence staining of a 7 days old Zebrafish embryo.