**BACKGROUND**

Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human 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 human cytokeratins 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.

**IMMUNOGEN**

Hybridoma produced by the fusion of splenocytes from mice immunized with a a mix of cell preparations containing human cytokeratins and SP2/0-Ag14 mouse myeloma cells.

**APPLICATIONS**

- Western Blot
- Immunocytochemistry
- Immunohistochemistry
- Flow Cytometry

**SPECIES REACTIVITY**

Human, Rat, Rabbit, Chicken, Quail, Hamster, Canine, Swine

**COMMENTS**

Antibody can be used for Western blotting (1:100-1:1000), immunohistochemistry on frozen tissue sections (1:100-1:200), immunocytochemistry and flow cytometry (1:100-1:200) Optimal concentration should be evaluated by serial dilutions.
PURIFICATION
Protein A/G Chromatography

SHIP CONDITIONS
Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER
Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY
Products are stable for one year from purchase when stored properly

REFERENCES

PRODUCT SPECIFIC REFERENCES