

Product datasheet for **BM6007P**

Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody [Clone ID: DE-K18]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DE-K18
Applications:	FC, IF, IHC, WB
Recommended Dilution:	Suitable for Immunocytochemistry, Immunoblotting (1/100-1/1000), Flow cytometry (1/100-1/200) and Immunohistochemistry on frozen (with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent) and paraffin embedded tissues (pretreatment with 0,1% pepsin in 0.1 N HCl 30 min at room temperature is required).
Reactivity:	Canine, Feline, Human, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation extracted from the human vulvar squamous carcinoma cell line A431.
Specificity:	This antibody reacts exclusively with cytokeratin 18 which is present in glandular epithelial cells of the digestive, respiratory, and urogenital tracts, endocrine and exocrine cells and mesothelial cells, as well as adenocarcinomas originating from them.
Formulation:	PBS with 0.09% sodium azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody (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 18
Database Link:	Entrez Gene 3875 Human P05783



[View online »](#)

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.

Synonyms:

Cytokeratin-18, CK18, Keratin-18, Keratin 18, KRT18, CYK18, K18