

## Product datasheet for **BM559P**

### Cytokeratin 4 (KRT4) Mouse Monoclonal Antibody [Clone ID: 6B10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6B10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>Immunocytochemistry</b> (Permeabilized cells). <b>Immunohistochemistry on Frozen tissues</b> (1/25-1/200) using with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent. <b>Western blot</b> (1/100-1/1000). <b>Flow Cytometry</b> (1/25-1/200).
Reactivity:	Canine, Feline, Human, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytokeratin preparation extracted from Human esophagus.
Specificity:	This Monoclonal antibody <i>6B10</i> reacts exclusively with Cytokeratin 4 which is present in non-cornifying squamous epithelium, including cornea and transitional epithelium. Cells in certain ciliated pseudo-stratified epithelia and ductal epithelia of various exocrine glands are also positive for <i>6B10</i> .
Formulation:	PBS State: Purified State: Liquid purified IgG 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 freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 4



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**Database Link:** [Entrez Gene 3851 Human P19013](#)

**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:** KRT4, CYK4, Cytokeratin-4, CK4, Keratin-4, K4