

Product datasheet for **BM5154**

Cytokeratin 7 (KRT7) Mouse Monoclonal Antibody [Clone ID: Ks 7.18]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ks 7.18
Applications:	IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 1/50 (Overnight at 2-8°C). Protease pretreatment is recommended prior to antibody application. Immunohistochemistry on Frozen Sections: 1/50 (1h at RT). Cytological Material. Immunoblotting.
Reactivity:	Bovine, Human, Porcine, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal proteins from cultured HeLa cells.
Specificity:	This antibody represents an excellent marker for the discrimination of specific subtypes of adenocarcinoma: e.g. adenocarcinoma of pancreas, bile duct carcinoma and transitional carcinoma of bladder are stained, whereas hepatocellular and prostate carcinomas are negative. Detects specific subtypes of adenocarcinomas: Adenocarcinoma of pancreas, gallbladder, lung, cervix; cholangio carcinoma of liver; ductal and lobular carcinoma of breast; carcinomas of ovary; transitional cell carcinoma of bladder; mesothelioma; negative with most cases of hepatocellular carcinoma. In colorectal carcinoma early stages are reported to be negative but advanced stages of tumor development are positive for keratin K7 expression. Occasionally, staining of blood vessel walls, particularly of endothelial cells may be observed. Reacts with Mr 54,000 polypeptide (keratin K7; formerly also designated Cytokeratin 7) of human glandular epithelia.
Formulation:	Final Solution contains PBS buffer, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore in 1 ml distilled water



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Purification:	Affinity Chromatography on Protein A .
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 7
Database Link:	Entrez Gene 3855 Human P08729
Background:	Cytokeratin 7 is a 54kD intermediate filament protein found in a variety of glandular epithelia. Cytokeratin 7 has been found in columnar and glandular epithelium of the lung, cervix, breast, bile ducts and larger collecting ducts of the kidney. It is present in the transitional epithelium of bladder as well as ovarian and lung epithelia, and occasionally staining of blood vessel cell walls, particularly endothelial cells, may be observed. However, Cytokeratin 7 is not expressed by epithelial cells of the gastrointestinal tract, colon or prostate. Keratin 7 is often co expressed with keratin 19.
Synonyms:	KRT7, KRT-7, SCL, CK-7, CK7, Keratin-7, K7, K-7, Sarcolectin