

Product datasheet for **AM02003SU-N**

Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody [Clone ID: RGE53]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RGE53
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting. Immunofluorescence. Immunohistochemistry on Frozen Sections. <i>Working Dilution: 1/5-1/10, dilute immediately before use with PBS or TBS.</i> <i>Recommended Positive Control: Adenocarcinoma.</i>
Reactivity:	Canine, Chicken, Human, Mammalian, Mouse, Porcine, Rabbit, Rat, Birds
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Isolated from HeLa cells
Specificity:	The antibody is useful for the discrimination of adenocarcinomas and mesotheliomas from squamous cell carcinomas and non-epithelial tumors. Clone RGE 53 specifically recognizes simple and glandular epithelial cells from the gastrointestinal tract, the respiratory tract and the urogenital tract, as well as endocrine and exocrine tissues and myoepithelial cells. In the transitional epithelium of the bladder RGE 53 reacts only with superficial (umbrella) cells. No reaction with stratified squamous epithelia. Polypeptide Reacting: 45 kD Keratin K18 (formerly also designated Cytokeratin 18).
Formulation:	State: Supernatant State: Liquid Culture Supernatant containing 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody 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 18



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Database Link: [Entrez Gene 3875 Human P05783](#)

Background: Cytokeratin 18 is an acidic keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. Cytokeratin 18 exists in combination with Cytokeratin 8, a basic keratin. Hepatocellular carcinomas have been reportedly defined by the use of antibodies that recognize only Cytokeratins 8 and 18.

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