

Mouse anti-Cytokeratin 5 (Liquid Primary Antibody), clone XM26 (monoclonal)

Clone no. XM26

MONXtra

Product name	Mouse anti-Cytokeratin 5 (Liquid Primary Antibody), clone XM26 (monoclonal)
Host	Mouse
Applications	IHC-P (1:100)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant fusion protein corresponding to a 103 amino acid portion of the C-terminal region of the human cytokeratin 5 molecule.
Isotype	IgG1, kappa
Clonality	Monoclonal
Clone number	XM26
Size	1 ml
Concentration	Greater than or equal to 21 mg/L
Format	-
Storage buffer	Tissue culture supernatant with Sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Cytokeratins are a large family of cytoskeletal proteins found in epithelial cells. They are co-ordinately synthesized in pairs so that at least one member of each family is expressed in each epithelial cell. Cytokeratins assemble into obligatory heteropolymers composed of type I (acidic) and type II (basic) polypeptides to form higher order tetramers and protofilaments. Basal cells of human epidermis express acidic keratin 14 and basic cytokeratin 5. Cytokeratin 5 is a 58 kD protein that is closely related to cytokeratin 6. Point mutations in the cytokeratin 5 gene at locus 12q11-q13 can cause various types of epidermolysis bullosa simplex. Cytokeratin 5 is also reported to be expressed in most epithelial and biphasic mesotheliomas. Clone XM26 is specific for the 58 kD intermediate filament protein known as cytokeratin 5. It is not cross-reactive with cytokeratin 6.

References

1. Bhargava R et al. The American Journal of Clinical Pathology . 2008; 130:724-731
2. Laakso M e al. Clinical Cancer Research. 2006; 12(14):4185-4191
3. Miettinen M et al. American Journal of Surgical Pathology. 2003; 27(2):150-158
4. Zhang RR et al. Breast Cancer Research. 2003; 5:R151-R156
5. -

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