

Rabbit anti-Cytokeratin 5 &amp; Mouse anti-Cytokeratin 14, clone EP1601Y &amp; LL002

Clone no. EP1601Y &amp; LL002

MONOSAN Ready To Use

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Product name	Rabbit anti-Cytokeratin 5 & Mouse anti-Cytokeratin 14, clone EP1601Y & LL002
Host	Rabbit / Mouse
Applications	IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG /IgG3
Clonality	Monoclonal
Clone number	EP1601Y & LL002
Size	7 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% 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**

Cytokeratin 5 is an intermediate filament protein of 58 kD amongst the cytokeratin family. It is a type II (basic) cytokeratin. Antibodies to this protein identify basal cells of squamous and glandular epithelia, myoepithelia, and mesothelium.<sup>1</sup> Cytokeratin 14 is a 50 kD polypeptide found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells.<sup>1</sup> Anti-cytokeratin 5 has been useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelial mesothelioma.<sup>2</sup> Anti-cytokeratin 14 has been demonstrated to be useful in differentiating squamous cell carcinomas from other epithelial tumors.<sup>3,4</sup> Anti-Cytokeratin 5, along with anti-cytokeratin 14, has been found to have an application in identifying the basal-like phenotype of breast carcinoma.<sup>5</sup>

**References**

1. Dabbs DJ. Elsevier Saunders, 2014. Print. P. 212
2. Comin CE, et al. Am J Surg Pathol. 2007; 31:1139-48
3. Reis-Filho JS, et al. Appl Immunohistochem Mol Morphol. 2003; 11:1-8
4. Chu PG, et al. Histopathology. 2001; 39:455-62
5. Dabbs DJ, et al. Mod Pathol. 2006; 19:1506-11

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