

Mouse anti-Cytokeratin (HMW), clone 34betaE12 (Monoclonal)

Clone no. 34betaE12

MONOSAN

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Product name	Mouse anti-Cytokeratin (HMW), clone 34betaE12 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:100-1:500)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1-k
Clonality	Monoclonal
Clone number	34betaE12
Size	1 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**

The antibody is an antibody to high molecular weight cytokeratin that reacts with all squamous and ductal epithelium and stains carcinomas. This antibody recognizes cytokeratins 1,5,10, and 14 that are found in complex epithelia. Anti-Cytokeratin, 34betaE12 shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there has been no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, and neural tumors are unreactive with this antibody with some exceptions. Anti-Cytokeratin, 34betaE12 does label myoepithelial cells and has been shown to be useful in distinguishing prostatic adenocarcinoma from hyperplasia of the prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.

**References**

1. Gown AM, et al. Am J Pathol. 1984; 114:309
2. O'Malley FP, et al. Virch Arch A. 1990; 417:191-6
3. Wojno KJ, et al. Am J Surg Pathol. 1995; 19:251-60
4. Moinfar F, et al. Am J Surg Pathol. 1999; 23:1048-58
5. Yang XJ, et al. Am J Surg Pathol. 1999; 23:147-52

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