

Monoclonal Mouse Antibody to Human Cytokeratin AE1 (Acidic)

Description:

Immunogen:	BALB/C mice were immunized with human epidermal keratin.
Clone:	AE1
Isotype:	IgG1, Kappa
Format:	This antibody is supplied as purified IgG fraction harvested from ascites and contains sodium azide as preservative.
Specificity:	This antibody recognizes most of the acidic (Type I) keratins. It recognizes keratin polypeptides of 50 and 56.5 kD. In keratinized epidermis, 50 kD keratin is present in the basal layer, while 56.5 kD keratin is present in suprabasal layers. This antibody can be used to stain distinct cell layers in an epithelial tissue and various neoplasms of epithelial origin.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an immunohistochemistry application. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Enzymatic predigestion of paraffin embedded tissues is recommended prior to the immunostaining.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

1. Woodcock et al. J Cell Biol 95: 580, 1982.
2. Tseng et al. Cell 30: 361, 1982.
3. Sun et al. J Invest Dermatol 81: 109s, 1983.
4. Spagnolo et al. Am J Clin pathol 84: 697, 1985.