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## Purified Mouse anti-Human Cytokeratin AE1/AE3 Monoclonal Antibody

CLSG36695  
CLSG36695-05  
Lot: I142

<b>Immunogen:</b>	BALB/C mice were immunized with human epidermal keratin.
<b>Clone:</b>	AE1 & AE3
<b>Isotype:</b>	IgG1, Kappa & IgG1, kappa
<b>Format:</b>	1 ml (CLSG36695) or 0.5 ml (CLSG36695-05). This antibody is supplied as purified IgG fraction harvested from ascites and contains sodium azide as preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. <u>Enzymatic predigestion of paraffin embedded tissues is recommended prior to the immunostaining.</u>
<b>Specificity:</b>	This AE1/AE3 antibody cocktail recognizes most of the acidic (Type I) keratins as well as basic (Type II). It recognizes keratin polypeptides of 40, 48, 50, 52, 54, 56.5, 58, 59 and 64 to 67 kDa. In keratinized epidermis, 50 kDa keratin is present in the basal layer, while 56.5 kDa keratin is present in suprabasal layers, where as 58 kDa keratin is present in the basal and suprabasal layers, while 65 to 67 kDa keratin is present in the cells above the basal layers. This antibody can be used to stain distinct cell layers in an epithelial tissue and various neoplasms of epithelial origin.
<b>Positive Control:</b>	Skin

*Continued Overleaf...*

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**Cellular Localization:** Cytoplasmic

**Storage:** Store the antibody at 2-8°C. Do not use it beyond the expiration date stated on the label.

**References:**

- i) Woodcock et al. J Cell Biol 95: 580, 1982.
- ii) Tseng et al. Cell 30: 361, 1982.
- iii) Sun et al. J Invest Dermatol 81: 109s, 1983.
- iv) Spagnolo et al. Am J Clin pathol 84: 697, 1985.

**Laboratory Reagent For Research Use Only**