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## TECHNICAL INFORMATION

# ImmunO™

Catalog Number: 691441

### Monoclonal Mouse Anti-Epithelial Keratin (AE8)

**Description:** This product is presented as the purified IgG fraction from ascites. This product is supplied in PBS, pH 7.2.

**Specificity:** The AE8 monoclonal anti-keratin was prepared against human epidermal keratin by the hybridoma technique. This antibody reacts strongly with the acidic 51 Kd keratin which is expressed mainly in suprabasal cells of esophageal, ventral tongue, buccal mucosal, exocervical and many other internal, non-keratinized stratified squamous epithelia.<sup>1</sup> This 51 Kd keratin and its frequently co-expressed partner, i.e., the basic 59 Kd keratin may be regarded as markers for "esophageal-type differentiation."<sup>2,3</sup>

#### Working Dilution:

1:500 (For immunoblot - esophageal).  
1:50 (For immunofluorescence - esophageal).

It is recommended that each lab obtain their own optimum working dilution for each assay.

#### References:

- Schermer, A. In preparation.
- Sun, T.-T., Eichner, R., Cooper, D., Schermer, A., Nelson, W.G. and Weiss, R.A., "Classification, Expression, and Possible Mechanisms of Evolution of Mammalian Epithelial Keratins: A Unifying Model", The Cancer Cell, **1**, 169-176 (1984).
- Cooper, D., Schermer, A. and Sun, T.-T., "Classification of Human Epithelial and Their Neoplasms Using Monoclonal Anti-Keratin Antibodies: Strategies, Applications and Limitations", Lab. Invest., **52**, 243-256 (1985).

**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)