

**MONOCLONAL ANTIBODY TO  
HUMAN LEUKOCYTE ELASTASE**  
clone 265-3K1



---

<b>Catalog nr</b>	HM2174 (lot number and expiry date are indicated on the label)
<b>Description</b>	The monoclonal antibody 265-3K1 recognizes human leukocyte elastase. Leukocyte elastase, a major serine proteinase in man, is predominantly present in the azurophilic granules of neutrophils and monocytes. Elastase has a broad range of extracellular matrix substrates including elastin, proteoglycans, collagen and fibronectin. The action of elastase is controlled by serine proteinase inhibitors. Elastase, when released during inflammation, is rapidly bound by its two main inhibitors, alpha1-PI and alpha2-macroglobuline to form elastase-inhibitor complexes. In addition mucosa secretions may contain the locally secreted elastase inhibitors elafin/SKALP and SLPI. When secreted at sites of inflammation elastase can cause severe tissue damage. An important role has been suggested for human elastase in various inflammatory disorders, including pulmonary emphysema, sepsis, arthritis, nephritis and certain skin diseases. Elastase induces the production of IL-8 in human bronchial epithelial, a proces that occurs in part through TLR4.
<b>Species</b>	Mouse IgG <sub>1</sub>
<b>Formulation</b>	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.
<b>Application</b>	The monoclonal antibody 265-3K1 can be used for immuno assays and Western blotting.
<b>Use</b>	For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.
<b>Storage and stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use of or derivation of this product.
<b>Also available</b>	HP9027 Polyclonal antibody against Human Elastase HM2156 Monoclonal antibody against Human Calprotectin, clone 27E10 HM2164 Monoclonal antibody against Human MPO, clone 266-6K1 HM2172 Monoclonal antibody against Human Proteinase 3, clone PR3-G2 HM2173 Monoclonal antibody against Human Lactoferrin, clone 265-1K1