

Hycult biotechnology

ELA2, Clone 265-3K1, Human mAb

Catalog No.	HM2174	Quantity:	100 µg
Description:	<p>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.</p>		
Concentration:	100 µg/ml		
Specificity:	Human ELA2		
Host:	Mouse		
Isotype:	IgG ₁		
Clone:	265-3K1		
Formulation:	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications	<p>The monoclonal antibody 265-3K1 can be used for immuno assays and Western blotting. 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.</p>		
Storage & Stability:	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
Also available:	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		

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