

Elastase Neutrophil Antibody

Monoclonal Antibody

Product Information		Catalog Number	% Elastase Inhibition
Product No.:	13203	13201	1.2
Clone:	ELA10-101.5	13202	4.1
Isotype:	Mouse IgG1	13203	90.0
Storage:	-20° to -70°C	13204	82.0

Product Description

Specificity:

This antibody recognizes human neutrophil elastase and inhibits neutrophil elastase activity by 90% as determined in an assay of elastase-mediated hydrolysis of elastin-Congo Red substrate.

Background:

Neutrophil elastase is a major neutral protease present in human neutrophils and is released by neutrophils following stimulation with a variety of stimuli. It is believed to be a major mediator of the lung destruction seen in emphysema. In addition to elastin, neutrophil elastase can cleave other biologically active proteins such as fibrinogen and antithrombin and is released by neutrophils during clot formation.

Known Reactivity Species:

Human

Format:

Purified

Immunogen:

Purified human neutrophil elastase.

Formulation

This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.

Storage and Stability

These antibodies are stable for at least one (1) year at -20°C to -70°C.

Avoid multiple freeze-thaw cycles.

Product Preparation

Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

These antibodies have been qualified for use in ELISA to detect human neutrophil elastase and in studies of inhibition and enzyme kinetics of human neutrophil elastase.

Country of Origin

USA