

Neutrophil Elastase Monoclonal Antibodies

ORDERING INFORMATION

| Catalog No. | Clone No. | MAb Subtype | Size | Library Pack No. | 100ug/clone |
|-------------|-------------|--------------------|--------------|------------------|--------------|
| 13201 | ELA11-207.2 | IgM ¹ | 100ug, 500ug | 132100 | All 4 clones |
| 13202 | ELA11-207.3 | IgM ¹ | 100ug, 500ug | | |
| 13203 | ELA10-101.5 | IgG1 ² | 100ug, 500ug | | |
| 13204 | ELA10-103.2 | IgG2b ² | 100ug, 500ug | | |

¹ PEG-purified antibody in PBS, pH 7.4

² Protein G-purified antibody in PBS, pH 7.4

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.

SPECIFICATION SUMMARY

Antigen: Purified human neutrophil elastase.

Host Species: Mouse

Specificity: These antibodies recognize human neutrophil elastase and vary in their ability to inhibit neutrophil elastase activity as determined in an assay of elastase-mediated hydrolysis of elastin-Congo Red substrate:

| Catalog No. | % Elastase Inhibition |
|-------------|-----------------------|
| 13201 | 1.2 |
| 13202 | 4.1 |
| 13203 | 90.0 |
| 13204 | 82.0 |

APPLICATIONS

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.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.