

# Product Datasheet

## Neutrophil Elastase/ELA2 Antibody (ELA10-101.5 (39A)) - BSA Free NB100-64392

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-64392**

Neutrophil Elastase/ELA2 Antibody (ELA10-101.5 (39A)) - BSA Free

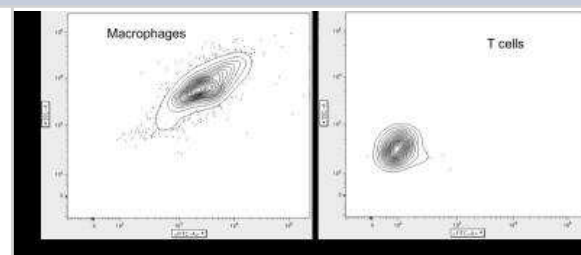
| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | 0.5 mg/ml  |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal   |
| Clone               | ELA10-101.5 (39A)  |
| Preservative        | <0.1% Sodium Azide   |
| Isotype             | IgG1   |
| Purity              | Protein G purified   |
| Buffer              | PBS  |

| Product Description     |   |
|-------------------------|---|
| Description             | Novus Biologicals Mouse Neutrophil Elastase/ELA2 Antibody (ELA10-101.5 (39A)) - BSA Free (NB100-64392) is a monoclonal antibody validated for use in ELISA and Flow. Anti-Neutrophil Elastase/ELA2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                    | Mouse   |
| Gene ID                 | 1991  |
| Gene Symbol             | ELANE   |
| Species                 | Human   |
| Specificity/Sensitivity | NB100-64392 is specific for human neutrophil elastase.  |
| Immunogen               | Elastase from human neutrophils   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | ELISA, Flow Cytometry, Functional                          |
| Recommended Dilutions       | Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Functional |

**Images**

Flow Cytometry: Neutrophil Elastase/ELA2 Antibody (39A) [NB100-64392] - Leukocytes were isolated from BAL fluid of a CF patient and stained for analysis by flow cytometry. Macrophages were found to have scavenged substantial neutrophil elastase from the airways while minimal was observed on the surface of T cells from the same patient as expected. This antibody works well for staining multiple cell types and obtains reliable fluorescence in the FITC channel. When used for single-stained beads compensation controls, consistent signal is obtained provided that the cytometer is accurately calibrated. One thing to be aware of is that different lots of this antibody have slightly different concentrations. Flow cytometry image submitted by a verified customer review using the Alexa Fluor 488 conjugated format of this antibody.



## Publications

Davies PL, Maxwell NC, Kotecha S, Spiller OB. Monoclonal anti-neutrophil elastase antibody characterisation: Ability to block function, detect free versus serpin-complexed enzyme and stain intracellular granules. *J Immunol Methods*. 2008-01-01 [PMID: 18504046]

Durant, S et al. Apoptosis-induced proteinase 3 membrane expression is independent from degranulation. *J Leukoc Biol* 75: 87-98. 2004-01-01 [PMID: 14525959]





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### Products Related to NB100-64392

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|                  |  |
|------------------|--|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]                             |
| NB7539           | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]                       |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)   |
| NB100-64392AF488 | Neutrophil Elastase/ELA2 Antibody (ELA10-101.5 (39A)) [Alexa Fluor® 488] |

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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