

Datasheet: 4050-0184

BATCH NUMBER 165879

| | |
|----------------------|------------------------------------|
| Description: | NATIVE HUMAN ELASTASE (NEUTROPHIL) |
| Name: | ELASTASE |
| Other names: | ELA2 |
| Format: | Purified |
| Product Type: | Purified Protein |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Western Blotting | | | ▪ | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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|---------------------------------------|--|
| Target Species | Human |
| Product Form | Purified protein from human neutrophils - liquid |
| Buffer Solution | 50mM sodium acetate, pH 5.5 150mM sodium chloride |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | 1.0 mg/ml |
| External Database Links | UniProt: |

Entrez Gene:

[1991](#) ELANE [Related reagents](#)

Synonyms ELA2

Product Information Human elastase is a 28.5 kDa serine protease that has been purified from human neutrophils. Elastase is also present in the pancreas, leucocytes and serum.

Protein Molecular Weight 28.5 kDa

Activity 20-22 U/mg protein

1 unit hydrolyzes one μ mole per minute of MeO-Suc-Ala-Ala-Pro-Val-pNA at 25°C, in 100mM Tris-Hcl, pH 7.5 with 500mM NaCl.

Purity >95% by SDS PAGE

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10168 available at:
<https://www.bio-rad-antibodies.com/SDS/4050-0184>
10168

Donor material tested and found negative for HBsAg and antibodies to HIV1, HIV2, HCV and HBcAg.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious

Regulatory For research purposes only

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|----------------------------------|---|------------------|---|---------------|---|
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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