

# Product Datasheet

## Cathepsin E Antibody AF1130

Unit Size: 100 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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**AF1130****Cathepsin E Antibody****Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

**Product Description**

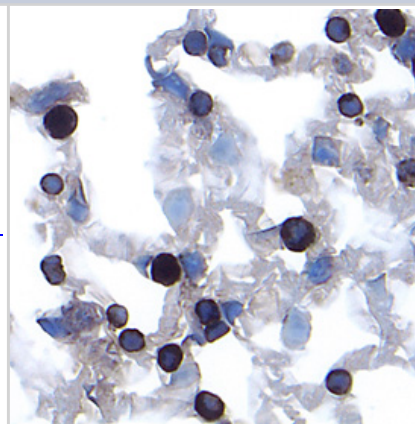
<b>Host</b>	Goat
<b>Gene ID</b>	1510
<b>Gene Symbol</b>	CTSE
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	Detects both pro and mature mouse Cathepsin E in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 40% cross-reactivity with recombinant human Cathepsin E and less than 1% cross-reactivity with recombinant mouse Cathepsin D is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Cathepsin E Gln19-Pro397 Accession # P70269
<b>Notes</b>	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 0.1 ug/mL, Immunohistochemistry 5-15 ug/mL, Immunoprecipitation 25 ug/mL

**Images**

Cathepsin E was detected in perfusion fixed frozen sections of mouse lung using Goat Anti-Mouse Cathepsin E Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1130) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # [CTS008](#)) and counterstained with hematoxylin (blue). Specific labeling was localized to the plasma membrane of type II alveolar cells. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).



## Publications

Buhling F, Kouadio M, Chwieralski CE, Kern U, Hohlfeld JM, Klemm N, Friedrichs N, Roth W, Deussing JM, Peters C, Reinheckel T Gene targeting of the cysteine peptidase cathepsin H impairs lung surfactant in mice. PLoS ONE, 2011;6(10):e26247. 2011 [PMID: 22022579] (WB, , Mouse)





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### **Products Related to AF1130**

HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NBP1-97057-10mg	Goat IgG Isotype Control
NBP2-51600-0.1mg	Recombinant Human Cathepsin E Protein

### **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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