

# Product Datasheet

## Klotho Antibody [CoraFluor™ 1] NBP1-76511CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP1-76511CL1**

Klotho Antibody [CoraFluor™ 1]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Conjugate	CoraFluor 1
Purity	Peptide affinity purified
Buffer	PBS
Product Description	
Description	CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.
Host	Rabbit
Gene ID	9365
Gene Symbol	KL
Species	Human, Mouse, Rat
Specificity/Sensitivity	Three isoforms of Klotho are known to exist. Human Klotho has 2 isoforms, including isoform 1 (1012aa, 116kD) and isoform 2 (549aa, 62kD). Mouse Klotho has 2 isoforms, including isoform 1 (1014aa, 116kD) and isoform 2 (550aa, 62kD). Rat Klotho has one isoform (1014aa, 117kD). NBP1-76511 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the center of human Klotho. The immunogen is located within amino acids 410-460 of Klotho. Amino Acid Sequence: SGTTKRRDDAKYMYLK
Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP1-76511CL1**

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NB100-2432PEP	Klotho Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
5334-KL-025	Klotho [Unconjugated]
M6000B-1	IL-6 [HRP]

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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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