

# Product Datasheet

## CD8 beta Antibody (H35-17.2) [CoraFluor™ 1] NBP3-08222CL1

Unit Size: 0.1 ml

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

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**NBP3-08222CL1**

CD8 beta Antibody (H35-17.2) [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           | Monoclonal  |
| Clone               | H35-17.2  |
| Preservative        | No Preservative   |
| Isotype             | IgG2b Kappa   |
| Conjugate           | CoraFluor 1   |
| Purity              | Protein A or G 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                    | Rat   |
| Gene ID                 | 926   |
| Gene Symbol             | CD8B  |
| Species                 | Mouse, Human (Negative)   |
| Reactivity Notes        | Does not react with Human.  |
| Specificity/Sensitivity | This monoclonal antibody reacts with the Mouse CD8 beta molecule. The CD8 beta chain associates with the CD8 alpha chain to form the CD8 alpha/beta heterodimer expressed on the surface of a majority of thymocytes, and on peripheral cytotoxic alpha beta TCR T cells. This monoclonal antibody identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing.   |
| Immunogen               | Five day mixed leukocyte culture population, C57BL/6 anti-BALB/c (Uniprot: P10300)  |
| 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                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence                |
| Recommended Dilutions       | Flow Cytometry, Immunocytochemistry/ Immunofluorescence                |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08222CL1**

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|                  |  |
|------------------|--|
| NBP2-51536-0.1mg | Recombinant Human CD8 beta His Protein |
| 409-ML-010       | IL-9 [Unconjugated]                    |
| NBP2-05170       | CD8 beta Overexpression Lysate         |
| NBP1-49045       | CD8 Antibody (53-6.7) - BSA Free       |

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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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