

# Product Datasheet

## CD98 Antibody (HBJ127) [CoraFluor™ 1] NBP2-81109CL1

Unit Size: 0.1 ml

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

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**NBP2-81109CL1**

CD98 Antibody (HBJ127) [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               | HBJ127  |
| Preservative        | No Preservative   |
| Isotype             | IgG Kappa   |
| Conjugate           | CoraFluor 1   |
| Purity              | Protein A 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                 | 6520  |
| Gene Symbol             | SLC3A2  |
| Species                 | Human   |
| Specificity/Sensitivity | HBJ127 binds to the CD98 heavy chain at an epitope consisting of residues AFS (aa 442-444) (Itoh et al, 2007). The antibody has not been shown to cross-react with other species. CD98 is expressed at high levels on monocytes and at very low level on peripheral blood T and B lymphocytes, splenocytes, NK cells and granulocytes. CD98 is a disulfide-linked and glycosylated type II integral membrane protein. This protein has roles in normal and neoplastic cell growth and is required for the function of light chain amino acid transporters. It is also involved in sodium-independent transport of large neutral amino acids and in guiding and targeting LAT1 and LAT2 to the plasma membrane. When associated with SLC7A6 or SLC7A7, CD98 acts as an arginine/glutamine exchanger. |
| Immunogen               | HBJ127 was obtained from hybridomas generated by the fusion of mouse myeloma cells and spleen cells from mice which had been immunized with T24 human bladder cancer cells.   |
| 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                | ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Block/Neutralize |



|                              |  |
|------------------------------|--|
| <b>Recommended Dilutions</b> | ELISA, Immunocytochemistry/ Immunofluorescence, Functional, Block/Neutralize |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.       |





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### **Products Related to NBP2-81109CL1**

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|                 |                                    |
|-----------------|------------------------------------|
| NBP2-61178-50ug | Recombinant Human CD98 His Protein |
| DVE00           | VEGF [HRP]                         |
| NBL1-16154      | CD98 Overexpression Lysate         |
| 202-IL-010      | IL-2 [Unconjugated]                |

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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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