

# Product Datasheet

## CD98 Antibody (HBJ127) [FITC] NBP2-81109F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81109F**

CD98 Antibody (HBJ127) [FITC]

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 ml  |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                     | Store at 4C in the dark.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | HBJ127  |
| <b>Preservative</b>                | 0.05% Sodium Azide  |
| <b>Isotype</b>                     | IgG Kappa   |
| <b>Conjugate</b>                   | FITC  |
| <b>Purity</b>                      | Protein A purified  |
| <b>Buffer</b>                      | PBS   |
| <b>Product Description</b>         |   |
| <b>Host</b>                        | Rabbit  |
| <b>Gene ID</b>                     | 6520  |
| <b>Gene Symbol</b>                 | SLC3A2  |
| <b>Species</b>                     | Human   |
| <b>Specificity/Sensitivity</b>     | 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. |
| <b>Immunogen</b>                   | 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.   |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | 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 NBP2-81109F**

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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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