

# Product Datasheet

## CD44 Antibody (Hermes-1) [FITC] NBP2-81088F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81088F**

CD44 Antibody (Hermes-1) [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>                       | Hermes-1  |
| <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>                     | 960   |
| <b>Gene Symbol</b>                 | CD44  |
| <b>Species</b>                     | Human, Mouse, Rat, Bovine, Goat, Primate, Rabbit, Sheep   |
| <b>Specificity/Sensitivity</b>     | This antibody is specific for CD44 (gp90 epitope cluster I), which is selectively expressed on normal or transformed lymphoid cells that are able to recognize and bind to high endothelial venules (specialized vessels that mediate lymphocyte exit from the blood into lymphoid organs). Although this antibody was raised against human CD44, it cross-reacts with murine, rat, rabbit, primate, sheep, bovine and goat CD44. |
| <b>Immunogen</b>                   | This antibody was produced by immunizing a Fischer rat with human tonsil lymphocytes ( $10^7$ cells intraperitoneally in Freund's complete adjuvant). A boost was given 2 weeks later (intravascularly in saline).  |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Block/Neutralize  |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Block/Neutralize  |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.  |

## Images

CD44 Antibody (Hermes-1) [FITC] [NBP2-81088F] - Vial of FITC conjugated antibody. FITC is optimally excited at 498 nm by the Blue laser (488 nm) and has an emission maximum of 519 nm.



FITC

| LASER (nm) | FILTER |
|------------|--------|
| Blue (488) | 525/50 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 498                 | 519               |



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### **Products Related to NBP2-81088F**

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|               |                                  |
|---------------|----------------------------------|
| NBP1-84578PEP | CD44 Recombinant Protein Antigen |
| 210-TA-005    | TNF-alpha [Unconjugated]         |
| 3660-CD-050   | CD44 [Unconjugated]              |
| D6050         | 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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