

# Product Datasheet

## Lactoferrin Antibody (LTF/4082) [Alexa Fluor® 594] NBP3-14113AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14113AF594**

Lactoferrin Antibody (LTF/4082) [Alexa Fluor® 594]

| 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.  |
| Clonality               | Monoclonal  |
| Clone                   | LTF/4082  |
| Preservative            | 0.05% Sodium Azide  |
| Isotype                 | IgG2b Kappa   |
| Conjugate               | Alexa Fluor 594   |
| Purity                  | Protein A or G purified   |
| Buffer                  | 50mM Sodium Borate  |
| Product Description     |   |
| Host                    | Mouse   |
| Gene ID                 | 4057  |
| Gene Symbol             | LTF   |
| Species                 | Human   |
| Reactivity Notes        | 0   |
| Specificity/Sensitivity | Ferritin and transferrins manage necessary iron-binding functions for iron metabolism. Transferrins comprise a class of single-chain, two-sited, metal-binding proteins expressed throughout the fluid and cells of vertebrates. The three major types of transferrin include serotransferrin, lactotransferrin (lactoferrin) and ovotransferrin. Lactoferrin is found in milk, tears and leukocytes. It degrades an IgA1 protease secreted by Haemophilus influenzae and, consequently, allows the human IgA1 antibody to effectively abolish Haemophilus influenzae colonization. Lactoferrin also attenuates the pathogenic potential of Haemophilus influenzae by proteolytic degradation of the Hap adhesin. While lactoferrin may aid in the transmission of human T cell leukemia virus type 1, it inhibits HIV-1 replication at the level of viral fusion and entry into cells. The inhibitory effects of lactoferrin on mixed lymphocyte reactions suggest that it may have the ability to sense the activation status of lymphocytes. |
| Immunogen               | Recombinant fragment (around aa614-645) of human Lactoferrin protein (exact sequence is proprietary) (Uniprot: IDP02788)  |



|              |  |
|--------------|--|
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|--------------|--|

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Protein Array |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Protein Array |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.                               |





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### **Products Related to NBP3-14113AF594**

|                   |   |
|-------------------|---|
| NBP1-43317AF594   | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor® 594] |
| H00004057-P01-2ug | Recombinant Human Lactoferrin GST (N-Term) Protein                      |
| 210-TA-005        | TNF-alpha [Unconjugated]  |
| NBP2-10824        | Lactoferrin Overexpression Lysate                                       |

### **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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