

For Research Use Only

# LTF Monoclonal antibody

Catalog Number: 68509-1-Ig



## Basic Information

|                                                                |                                              |                                                       |
|----------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>68509-1-Ig                           | <b>GenBank Accession Number:</b><br>BC015822 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>150ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4057                | <b>CloneNo.:</b><br>3D1G3                             |
| <b>Source:</b><br>Mouse                                        | <b>Full Name:</b><br>lactotransferrin        | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG2a                                       | <b>Calculated MW:</b><br>80 kDa              |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG33645                    | <b>Observed MW:</b><br>78 kDa                |                                                       |

## Applications

|                                          |                                                 |
|------------------------------------------|-------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : human saliva, |
| <b>Species Specificity:</b><br>Human     |                                                 |

## Background Information

LTF(Lactotransferrin) is also named as GIG12, LF and belongs to the transferrin family. It is an iron binding transport protein which can bind two atoms of ferric iron in association with the binding of an anion, usually bicarbonate. LTF is also an important protein component of the innate immune system that is broadly distributed within the body fluids. It can contribute to the activation of both the innate and adaptive immune responses by promoting the recruitment of leukocytes and activation of dendritic cells(PMID:18453607). This protein has 2 isoforms produced by alternative promoter usage. The human LTF can be isolated two fragments, an N-terminal tryptic fragment having an MW of 30 kDa and a C-terminal tryptic fragment having an MW of 50 kDa by a mild tryptic digest(PMID:3790094).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 68509-1-Ig (Lactoferrin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.