

For Research Use Only

# Lactotransferrin/LTF Recombinant antibody, PBS Only

Catalog Number: 83409-5-PBS



## Basic Information

Catalog Number:

83409-5-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002343.6

GeneID (NCBI):

4057

UNIPROT ID:

P02788-1

Full Name:

lactotransferrin

Calculated MW:

78 kDa

Observed MW:

30 kDa, 51 kDa, 80 kDa

Purification Method:

Protein A purification

CloneNo.:

240280E2

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

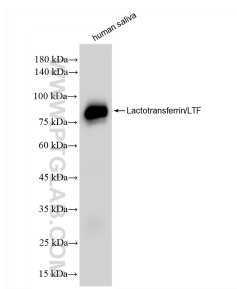
T: 4006900926

E: Proteintech-CN@ptglab.com

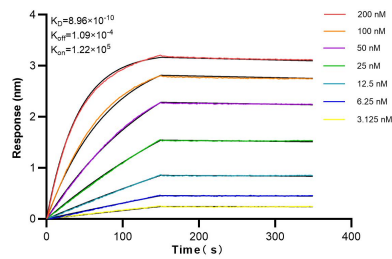
W: ptgcn.com

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## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 83409-5-RR (Lactotransferrin/LTF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83409-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83409-5-RR against Human Lactotransferrin/LTF were performed. The affinity constant is 0.896 nM.