



# Lactoferrin (LTF, IGIG12, HLF2, Lactoferrin, Lactotransferrin, LF, Talalactoferrin)

## Catalog number

L1021-76F

## Supplier

United States Biological

Transferrins control the level of free iron in the body, by binding and transporting iron. Lactoferrin does not appear to have a transporting function, instead it has antimicrobial activity, by keeping the levels of iron in body fluids low and thus preventing microbes from acquiring iron. Removing free iron from body fluids and inflamed areas also serve to protect against the damaging effects of free radicals. Lactoferrin is used as a therapeutic and prophylactic treatment of various illnesses, such as cancers and intestinal illnesses.

## Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

## Recommended Dilution

Optimal dilutions to be determined by the researcher.

## Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

## Immunogen

Purified Lactoferrin from human milk.

## Formulation

Supplied as a liquid in PBS, pH 7.4, 0.09% sodium azide.

## Purity

Purified by Protein G affinity chromatography.

## Specificity

Recognizes human lactoferrin, a 78kD globular protein found in body secretions such as milk and saliva and is a member of the transferrin family proteins.

## Product Type

Mab

## Source

human

## Isotype



IgG1

**Grade**

Affinity Purified

**Applications**

E WB

**Crossreactivity**

Hu

**Storage**

-20°C