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Lactoferrin (LTF) Blocking Peptide (Center)

Synthetic peptide
Catalog # BP7647c

Specification

Lactoferrin (LTF) Blocking Peptide (Center) - Product Information

Primary Accession P02788

Lactoferrin (LTF) Blocking Peptide (Center) - Additional Information

Gene ID 4057

Other Names
Lactotransferrin, Lactoferrin, 3421-, Growth-inhibiting protein 12, Talalactoferrin, Lactoferricin-H, Lfcin-H, Kaliocin-1, Lactoferroxin-A, Lactoferroxin-B, Lactoferroxin-C, LTF, GIG12, LF

Target/Specificity
The synthetic peptide sequence is selected from aa 234-248 of HUMAN LTF

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Lactoferrin (LTF) Blocking Peptide (Center) - Protein Information

Name LTF (HGNC:6720)

Synonyms GIG12, LF

Function
Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate.

Cellular Location
[Isoform 1]: Secreted. Cytoplasmic granule. Note=Secreted into most exocrine fluids by various endothelial cells Stored in the secondary granules of neutrophils

Tissue Location
High levels are found in saliva and tears, intermediate levels in serum and plasma, and low levels in urine. In kidney, detected in the distal collecting tubules in the medulla but not in the cortical region or in blood vessels. Detected in peripheral blood neutrophils (at protein level). Isoform 1 and isoform DeltaLf are expressed in breast, prostate, spleen, pancreas, kidney, small intestine,

lung, skeletal muscle, uterus, thymus and fetal liver Isoform 1 is expressed in brain, testis and peripheral blood leukocytes; isoform DeltaLf is barely detectable in these tissues Isoform DeltaLf is expressed in placenta, liver and ovary; isoform 1 is barely detectable in these tissues. In kidney, isoform 1 is expressed at high levels in the collecting tubules of the medulla but at very low levels in the cortex.

Lactoferrin (LTF) Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Lactoferrin (LTF) Blocking Peptide (Center) - Images

Lactoferrin (LTF) Blocking Peptide (Center) - Background

This protein is a member of the transferrin family of metal-binding proteins found in milk and other secretory fluids and also in blood. It shows multifunctional properties of which the bacteriostatic and bactericidal effects are the best known.