

MAA780Hu22**Monoclonal Antibody to Lactoferrin (LTF)
Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]**Immunogen:** LTF**Clonality:** Monoclonal**Clone number:** E5**Host:** Mouse**Immunoglobulin Type:** IgG1 kapa**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 500µg/mL**UOM:** 200µg**[IMMUNOGEN INFORMATION]****Immunogen:** Native Protein LTF.**Accession No.:** NPA780Hu01**[RELEVANCE]**

Lactoferrin (LTF) is a multifunctional protein of the transferrin family. Lactoferrin is a globular glycoprotein with a molecular mass of about 80 kDa that is widely represented in various secretory fluids, such as milk, saliva, tears, and nasal secretions. Lactoferrin is one of the transferrin proteins that transfer iron to the cells and control the level of free iron in the blood and external secretions. Lactoferrin's primary role is to sequester free iron, and in doing so remove essential substrate required for bacterial growth. The lactoferrin receptor plays an important role in the internalization of lactoferrin; it also facilitates absorption of iron ions by lactoferrin. It was shown that gene expression increases with age in the duodenum and decreases in the jejunum.

[ANTIBODY SPECIFICITY]

The antibody is a mouse monoclonal antibody raised against LTF. It has been selected for its ability to recognize LTF in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.