

## LTF Polyclonal Antibody

catalog number: **D-AB-10388L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

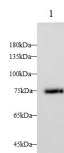
### Description

<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Mouse LTF protein expressed by Mammalian
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

<b>WB</b>	1:500-1:1000
-----------	--------------

### Data



Western blot with LTF Polyclonal antibody at dilution of  
1:1000.lane 1: Mouse spleen

**Observed-MW:80 kDa**

**Calculated-MW:78 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

Lactotransferrin is a major iron-binding and multifunctional protein found in exocrine fluids such as breast milk and mucosal secretions. Has antimicrobial activity. Antimicrobial properties may include bacteriostasis, which is related to its ability to sequester free iron and thus inhibit microbial growth, as well as direct bactericidal properties leading to the release of lipopolysaccharides from the bacterial outer membrane. May have anabolic, differentiating and anti-apoptotic effects on osteoblasts and may also inhibit osteoclastogenesis, possibly playing a role in the regulation of bone growth. May interfere with the lipopolysaccharide (LPS)-stimulated TLR4 signaling. The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity. Shows a preferential cleavage at -Arg-Ser-Arg-Arg- and -Arg-Arg-Ser-Arg-, and of Z-Phe-Arg-aminomethylcoumarin sites.

### For Research Use Only