



# Human Lactoferrin

**Product Code** CSB-NP008701h

**Relevance** Lactoferrin is a glycoprotein present in most human mucosal secretions, including human milk. Lactoferrin is bacteriostatic in low iron media and, in some settings, bactericidal. Lactoferrin impairs ability of *Shigella flexneri* serotype 5 strain M90T to invade HeLa cells. To determine the mechanism by which lactoferrin decreases invasiveness of *Shigella* organisms, its effect on the major virulence proteins responsible for bacterial uptake by host cells was evaluated. Lactoferrin induced degradation of invasion plasmid antigens IpaB and, to a lesser extent, IpaC, the key proteins responsible for bacteria-directed phagocytosis by mammalian cells.

**Storage** Aliquot and store at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

**Tested Applications** ELISA, WB, SDS-PAGE

**Form** Liquid

**Storage Buffer** PBS, pH 7.4

**Alias** N/A

**Product Type** Native Protein

**Sensitivity** Not test

**Purity** ≥95% (SDS-PAGE)

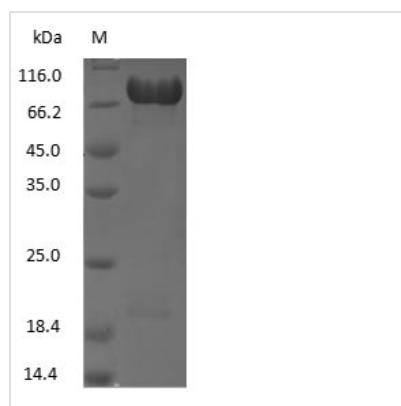
**Sequence** Full length protein

**Research Area** Cardiovascular

**Source** Purified from Human milk

**Protein Names** Human Lactoferrin

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.