



Recombinant Human Lactoferrin Protein [His] (DAG-IV09)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant human lactoferrin, also known as lactotransferrin/LTF antigen is produced by mammalian expression system and the target gene encoding Gly20-Lys710 is expressed with a 6His tag at the C-terminus.
Species	Human
Purity	> 90 % as determined by SDS-PAGE.
Conjugate	His
Applications	ELISA
Molecular Weight	77 kDa
Reconstitution	Reconstitute lyophilized protein with 100 µl of deionized water.
Format	Lyophilized
Size	50 µg
Buffer	20 mM Na-phosphate, pH 7.4, 150 mM NaCl, 5% Mannitol
Preservative	None
Storage	Store at -20°C.

BACKGROUND

Introduction	Human lactoferrin is a ~78 kDa globular protein found in body secretions such as milk and saliva and is a member of the transferrin family proteins. Transferrins control the level of free
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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.

Keywords

LTF; lactotransferrin; LF; HLF2; GIG12; HEL110; kaliocin-1; lactoferricin; lactoferroxin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; epididymis luminal protein 110; Lactoferrin Protein
