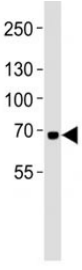
LTF Antibody / Lactoferrin [clone 119CT80.1.1] (F40211)

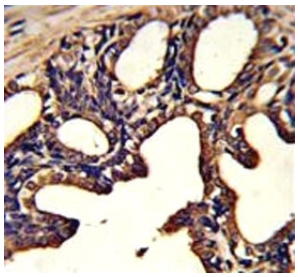
Catalog No.	Formulation	Size
F40211-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40211-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	119CT80.1.1
Purity	Purified
UniProt	P02788
Applications	Western Blot : 1:1000 Immunohistochemistry (FFPE) : 1:50-1:100 Immunofluorescence : 1:10-1:50
Limitations	This LTF antibody is available for research use only.

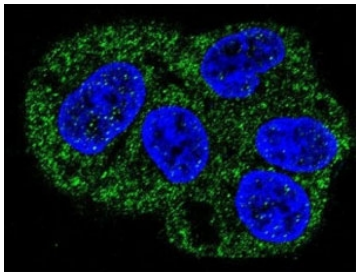


Western blot analysis of lysate from K562 cell line using LTF antibody at 1:1000.
Predicted molecular weight: ~78/73kDa (isoforms 1/2). (1)

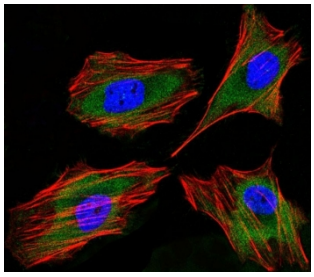


IHC analysis of FFPE human prostate carcinoma tested with LTF antibody

Immunofluorescence analysis of LTF antibody and paraffin-embedded human prostate carcinoma tissue. Primary Ab was followed by PE-conjugated goat anti-mouse IgG. PE emits orange fluorescence.



Confocal immunofluorescent analysis of LTF antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunofluorescent staining of fixed and permeabilized human HeLa cells with LTF antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).

Description

This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis.

Application Notes

Immunogen

This LTF antibody was produced from a mouse immunized with LTF recombinant protein.

Storage

Aliquot the LTF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.