Mouse LTF/LF Antibody Pair Set

Catalog No. E-KAB-0088 **Applications** ELISA
Synonyms LTF, GIG12, HLF2, LF,Lactotransferrin

Kit components & Storage

Title	Specifications	Storage
Mouse LTF/LF Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse LTF/LF Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

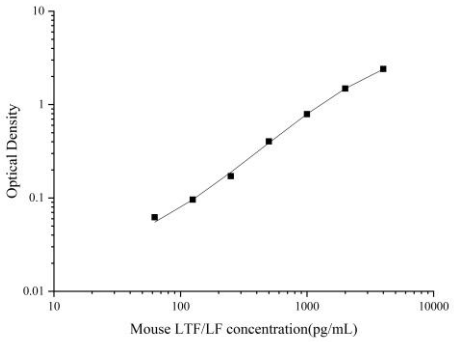
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0088)	
		Mouse LTF/LF Capture Antibody	Mouse LTF/LF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse LTF/LF protein	Recombinant Mouse LTF/LF protein
	Swissprot	P08071	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A & Antigen Affinity	Protein A & Antigen Affinity
	Specificity	Detects Mouse LTF/LF in ELISAs.	

Applications

Mouse LTF/LF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Mouse LTF/LF Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse LTF/LF Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

LTF(Lactotransferrin) is also named as GIG12, LF and belongs to the transferrin family. It is an iron binding transport protein which can bind two atoms of ferric iron in association with the binding of an anion, usually bicarbonate. LTF is also an important protein component of the innate immune system that is broadly distributed within the body fluids. It can contribute to the activation of both the innate and adaptive immune responses by promoting the recruitment of leukocytes and activation of dendritic cells. This protein has 2 isoforms produced by alternative promoter usage. The human LTF can be isolated two fragments, an N-terminal tryptic fragment having an MW of 30 kDa and a C-terminal tryptic fragment having an MW of 50 kDa by a mild tryptic digest.