

For Research Use Only

LTF Monoclonal antibody

Catalog Number: 68509-1-Ig



Basic Information

Catalog Number: 68509-1-Ig	GenBank Accession Number: BC015822	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4057	CloneNo.: 3D1G3
Source: Mouse	UNIPROT ID: P02788	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: lactotransferrin	
Immunogen Catalog Number: AG33645	Calculated MW: 80 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human saliva,
Species Specificity: Human	

Background Information

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 (PMID:18453607). 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 (PMID:3790094).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 68509-1-Ig (Lactoferrin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.