

LALBA monoclonal antibody, clone F20.16

Catalog # MAB7211 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against LALBA.
Immunogen	Human LALBA.
Host	Mouse
Reactivity	Human
Specificity	alpha Lactalbumin (F20.16). Detects a band of approximately 14 KDa.
Form	Liquid
Isotype	IgM
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry

Gene Info — LALBA

Entrez GeneID	3906
Gene Name	LALBA

Gene Alias MGC138521, MGC138523

Gene Description lactalbumin, alpha-

Omim ID [149750](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes alpha-lactalbumin, a principal protein of milk. Alpha-lactalbumin forms the regulatory subunit of the lactose synthase (LS) heterodimer and beta 1,4-galactosyltransferase (beta 4Gal-T1) forms the catalytic component. Together, these proteins enable LS to produce lactose by transferring galactose moieties to glucose. As a monomer, alpha-lactalbumin strongly binds calcium and zinc ions and may possess bactericidal or antitumor activity. A folding variant of alpha-lactalbumin, called HAMLET, likely induces apoptosis in tumor and immature cells. [provided by RefSeq]

Other Designations lactose synthase B protein

Publication Reference

- [Production and characterization of monoclonal antibodies to human casein. A monoclonal antibody that cross-reacts with casein and alpha-lactalbumin.](#)

Burchell J, Bartek J, Taylor-Papadimitriou J.

Hybridoma 1985 May; 4(4):341.

Pathway

- [Galactose metabolism](#)