



Magic™ Mouse Anti-Human LCA Monoclonal antibody, clone MDB1 (DMAB-CS24611)

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

PRODUCT INFORMATION

Specificity	Human LCA
Target	Human LCA
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	MDB1
Conjugate	Unconjugated
Applications	ELISA(Cap), LFIA, CLIA, TINIA We recommend the following antibodies for sandwich immunoassay (Capture - Detection): DMAB-CS24611 - DMAB-CS24612
Format	Liquid
Size	1 mg
Buffer	Supplied as a 0.2 µM filtered solution of PBS, PH7.4.
Preservative	None
Storage	Store at -20°C to -80°C under sterile conditions. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

Lithocholic acid is a secondary bile acid that has been shown to cause cholestasis in animal models and has also been implicated in carcinogenesis. It is produced from chenodeoxycholic acid by bacterial action in the colon and can be conjugated with glycine or taurine. Whereas in normal colonic epithelium lithocholic acid promotes apoptosis, it has been shown to suppress apoptosis in pre-malignant colonic epithelium in the presence of a carcinogen. Lithocholic acid can activate the pregnane X receptor and the vitamin D receptor, which may serve as a biological sensor to regulate lithocholic acid-induced toxicity.

Keywords

Lithocholic Acid; LCA