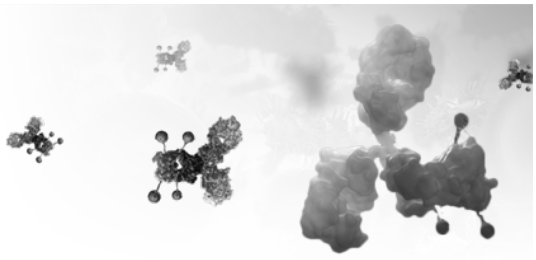

Mouse Anti-Calicheamicin monoclonal antibody, clone C2H0 (CABT-L3107)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-Calicheamicin mAb
Target	Calicheamicin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	C2H0
Purification	Antibody was produced by ascites and then isolated via Protein A/G chromatography
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µl, 500 µl
Buffer	PBS
Preservative	0.02% Sodium Azide
Storage	For short term storage, store at 4°C up to 6 months from date of opening or thawing. Long time storage is recommended at -20°C. Avoid repeated freeze-thaw cycles.

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Ship	Dry ice

BACKGROUND

Introduction	Calicheamicin (also known as LL-E33288 antibiotics) was first discovered in the mid-1980s by a scientist from American Cyanamid Company's medical research division. calicheamicin worked by destroying the DNA of cancer cells. Its Mechanism of Action is based on a strong reaction when it gets in contact with DNA. This reaction, known as the Bergman cyclization, results in cleaving the DNA and thus destroying the cancer cell. The scientist collected a soil sample, which consisted of caliche clay, and sent it back to the lab for testing. In the lab scientists grew a culture of the chalky soil sample and found that a tiny bacterium (Micromonospora echinospora ssp. calichensis) within the sample produced a compound that was found to be an incredibly potent cytotoxic agent.
Keywords	Calicheamicin

GENE INFORMATION

Official Symbol	Calicheamicin

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