



Mouse Anti-Human IFNE Monoclonal Antibody, clone 094414 (CABT-B10446)

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

PRODUCT INFORMATION

Immunogen	E. coli-derived recombinant human IFN-epsilon Leu22-Arg208.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	094414
Purification	Protein A or G purified
Conjugate	Unconjugated
Applications	ELISA(Cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-B10446 - CABT-Z367M
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 6 months, -20 to -70°C under sterile conditions after reconstitution.

BACKGROUND

Introduction

Interferon-epsilon (IFNe) is a type I interferon with expression limited to the brain, lung, intestine and reproductive tract. It has been proposed that unlike other type I interferons, IFNe plays a role in mucosal immunity and protects against pathogens including chlamidia, HIV and herpes simplex virus 2. Its expression is upregulated by TNF alpha. Unlike other type-1 interferons, IFNe is also hormonally regulated, and mouse and human IFNe have been shown to have a binding site in their promoters for progesterone receptor. Epithelial cells isolated from uterine endometrium have higher IFNe expression in the proliferative phase, when estrogen levels are highest. IFNe is the only IFN isoform constitutively expressed in HeLa cells.

Keywords

interferon, epsilon;MGC119020;PRO655;Interferon epsilon-1;interferon epsilon;interferon epsilon 1

GENE INFORMATION

Gene Name

IFNE

Entrez Gene ID

[338376](#)

UniProt ID

[Q86WN2](#)
