



# 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

<b>Immunogen</b>	E. coli-derived recombinant human IFN-epsilon Leu22-Arg208.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	094414
<b>Purification</b>	Protein A or G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(Cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-B10446 - CABT-Z367M
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	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.

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Ship

Wet ice

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## 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 IFNee expression in the proliferative phase, when estrogen levels are highest. IFNe is the only IFN isoform constitutively expressed in HeLa cells.

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**Keywords**

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

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## GENE INFORMATION

**Gene Name**

IFNE

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**Entrez Gene ID**

[338376](#)

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**UniProt ID**

[Q86WN2](#)

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