

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IFN- κ in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse IFN- κ Leu22-Lys199 (Cys174Tyr) Accession # Q7TSL0
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

IFN- κ (Interferon kappa) is a secreted, nonglycosylated polypeptide that belongs to the IFN- κ subclass of the type I interferon family of cytokines. It is expressed by macrophages in mice, and monocytes, dendritic cells and keratinocytes in human. IFN- κ induces TNF- α , IL-10 and MCP-1 production by monocytes. Mouse IFN- κ precursor is 199 amino acids (aa) in length. It contains a 21 aa signal sequence, plus a 178 aa mature region. There are two intrachain disulfide bonds plus a fifth unpaired cysteine. Mature mouse IFN- κ (aa 22-199) shares 68% and 30% aa identity with rat and human IFN- κ , respectively.

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