

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IFN- κ in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 1009725
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IFN- κ Leu28-Lys207 Accession # Q90W0
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Immunohistochemistry 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

Interferon kappa, also known as IFN-kappa, is a 207 aminoacids protein that in humans is encoded by the IFNK gene. IFN-kappa is a member of the type I interferon family which also includes IFN-alpha, -beta, -epsilon, and -omega. Type I interferons are a group of related glycoproteins that play an important role in host defenses against viral infections. Human IFN-kappa has been detected in keratinocytes, monocytes, and monocyte-derived dendritic cells and is reported to have contact-dependent antiviral activity. Human papillomavirus (HPV) 16 oncogene expression, which is necessary for the development of cervical cancer, has been shown to down-regulate human IFN-kappa expression.

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