Human IFN-κ Antibody

Monoclonal Mouse IgG_{2A} Clone # 1009725

Catalog Number: MAB102471

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	*E. coli*-derived recombinant human IFN-κ Leu28-Lys207 Accession # Q90W0
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

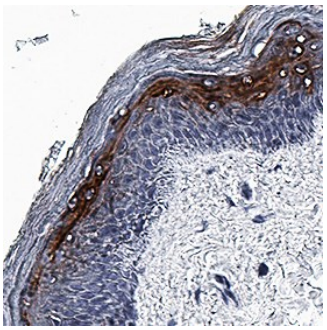
APPLICATIONS

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.*

	Recommended Concentration	Sample
Immunohistochemistry	5-25 µg/mL	See Below

DATA

Immunohistochemistry



IFN-kappa in Human Skin. IFN-κ was detected in immersion fixed paraffin-embedded sections of human skin using Mouse Anti-Human IFN-κ Monoclonal Antibody (Catalog # MAB102471) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in keratinocytes. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & 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

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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