Human IL-32α Alexa Fluor® 532-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 373802

Catalog Number: FAB30401X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects the α isoform of IL-32 in direct ELISAs. In direct ELISAs, less than 15% cross-reactivity with recombinant human (rh) IL-32β and rhIL-32γ is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 373802
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human IL-32α Phe3-Lys131 Accession # NP_001012651
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.
Immunocytochemistry	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

IL-32α is the shortest and most abundant of four potential splice variants of the proinflammatory cytokine IL-32 (previously called NK4) with a predicted unmodified size of 15 kDa. Potential modifications include myristoylation and N-glycosylation. Transfected IL-32α was more likely to be cell-associated as compared to IL-32β, suggesting an intracellular function. IL-32 is induced by mitogens in peripheral lymphocytes, by IFN-γ in epithelial cells, or by IL-12 with IL-18 in NK cells and in turn Induces cytokine expression. No ortholog has been found in mouse.

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475