

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-411 in direct ELISAs.
Source	Monoclonal Rat IgG _{2B} Clone # 1006202
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese Hamster Ovary cell line, CHO-derived human IL-411 Met1-His567 Accession # Q96RQ9
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
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

Interleukin 4 induced protein 1 (IL-411), also known as protein FIG-1 and L-amino acid oxidase, is encoded by a B-cell IL-4-inducible gene, FIG1, and is highly expressed in primary metastatic B-cell lymphomas (1-4). It belongs to the flavin monooxygenase family, FIG1 subfamily. Enzymological characterization reveals that IL-411 has L-amino acid oxidase activity with preference toward aromatic amino acids. Studies have shown that hIL-411 inhibited the proliferation of CD3-stimulated T lymphocytes with a similar effect on CD4(+) and CD8(+) T cells (5). Its inhibitory effect was dependent on enzymatic activity and H₂O₂ production. Its restricted expression to lymphoid tissues indicates that it may play an important function in the immune system (1, 4).

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