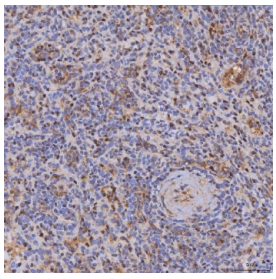
IL2-inducible T-cell kinase Antibody / ITK (RQ7513)

Catalog No.	Formulation	Size
RQ7513	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

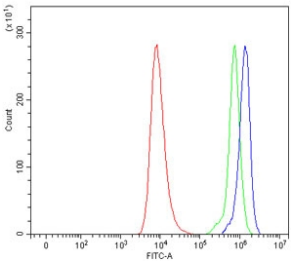
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q08881
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This IL2-inducible T-cell kinase antibody is available for research use only.



IHC staining of FFPE human spleen cancer tissue with IL2-inducible T-cell kinase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Jurkat and 2) MOLT4 cell lysate with IL2-inducible T-cell kinase antibody. Predicted molecular weight ~72 kDa.



Flow cytometry testing of human HEL cells with IL2-inducible T-cell kinase antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IL2-inducible T-cell kinase antibody.

Description

Tyrosine-protein kinase ITK/TSK, also known as interleukin-2-inducible T-cell kinase or simply ITK, is a protein that in humans is encoded by the ITK gene. It is a member of the TEC family of kinases. This gene is mapped to 5q33.3. This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein is thought to play a role in T-cell proliferation and differentiation. Furthermore, ITK is functionally important for the development and effector function of Th2 and Th17 cells.

Application Notes

Optimal dilution of the IL2-inducible T-cell kinase antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R49-F465) was used as the immunogen for the IL2-inducible T-cell kinase antibody.

Storage

After reconstitution, the IL2-inducible T-cell kinase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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