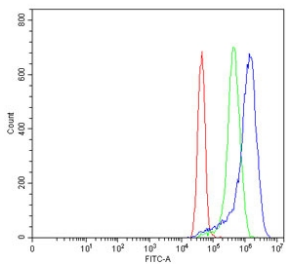
TYK2 Antibody / Non-receptor tyrosine-protein kinase TYK2 (RQ7305)

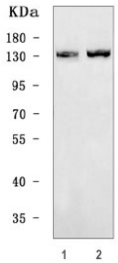
Catalog No.	Formulation	Size
RQ7305	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P29597
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TYK2 antibody is available for research use only.



Flow cytometry testing of human MCF7 cells with TYK2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TYK2 antibody.



Western blot testing of human 1) MCF7 and 2) HeLa cell lysate with TYK2 antibody. Predicted molecular weight ~134 kDa.

Description

Non-receptor tyrosine-protein kinase TYK2 is an enzyme that in humans is encoded by the TYK2 gene. This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also a component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with Immunodeficiency 35.

Application Notes

Optimal dilution of the TYK2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids F581-A719) was used as the immunogen for the TYK2 antibody.

Storage

After reconstitution, the TYK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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