Human Tyk2 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_3 Clone # 307214

Catalog Number: FAB3427G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Tyk2 in Western blots.
Source	Monoclonal Mouse IgG_3 Clone # 307214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Tyk2 Pro2-Leu51 Accession # P29597
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

Tyk2 belongs to the Janus family of intracellular tyrosine kinases that are activated by receptors for many cytokines. Activation of Tyk2 occurs via phosphorylation at two adjacent tyrosine residues, Y1054 and Y1055, within the kinase domain. Tyk2 is required for interferon β-mediated tyrosine phosphorylation of STAT3 and interferon receptor 1. Mice lacking Tyk2 are susceptible to parasitic infection but resistant to autoimmune arthritis.

PRODUCT SPECIFIC NOTICES

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