Human Fer Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 690318

Catalog Number: FAB7229X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fer in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 690318
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Fer Asn93-Ala302 Accession # P16591
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.*

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

FER [feline encephalitis virus (FES)-related kinase], also called Tyk3, is a widely expressed 822 amino acid (aa), 94 kDa intracellular non-receptor tyrosine kinase of the FES/FPS family. Human FER contains an FCH (microtubule/cytoskeleton interaction) domain (aa 1-58), a coiled coil oligomerization region, an SH2 domain (aa 460-550) and a kinase domain (aa 563-816). FER is found both in the cytoplasm and the nucleus, and interacts with several transmembrane receptors, cytosolic proteins, and nuclear chromatin. Through its interactions and kinase activity, Tyk3/FER influences synapse formation, cytoskeletal rearrangement, cell survival and cell cycle progression. Within the region used as an immunogen, human Tyk3/FER shares 97% aa sequence identity with mouse Tyk3/FER. Potential human Tyk3/FER isoforms truncated at aa 308 and 478 have been described.

PRODUCT SPECIFIC NOTICES

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