Human TGF-β RI/ALK-5 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3025V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TGF-β RI/ALK-5 in direct ELISAs and Western blots. In direct ELISAs, less than 25% cross-reactivity with recombinant mouse TGF-β RI is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TGF-β RI/ALK-5 Leu34-Glu125 Accession # P36897
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
ELISA	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

TGF-β RI, also known as activin-like kinase 5 (ALK-5), is a 55 kDa type I transmembrane serine/threonine receptor kinase. It is ubiquitously expressed and forms a functional heterotetrameric signaling TGF-β receptor complex with TGF-β RII. The amino acid sequence of human TGF-β RI extracellular domain is 91%, 90%, 91%, and 93% identical to that of porcine, mouse, bovine, and rat TGF-β RI, respectively.

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