

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse and human Ryk in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Ryk Arg35-Arg211 Accession # Q01887
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

Ryk (related to tyrosine (Y) kinase; also VIK and MRK) is a member of the tyrosine protein kinase family. It is a type I transmembrane glycoprotein that binds Wnt and forms a Wnt receptor complex with frizzled. In this capacity, it serves as a link between Wnt and Dishevelled. Mouse Ryk is 594 amino acids (aa) in length. It contains a 177 aa extracellular region (aa 35-211) that shows one WIF-1-like domain (aa 51-180), and a cytoplasmic region that possesses a nonfunctional Ser/Thr protein kinase domain (aa 318-581). There is one alternate start site at Met117. Over aa 35-211, mouse Ryk is 94% aa identical to human Ryk, and shows absolute (100%) aa identity to rat Ryk.

PRODUCT SPECIFIC NOTICES

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