

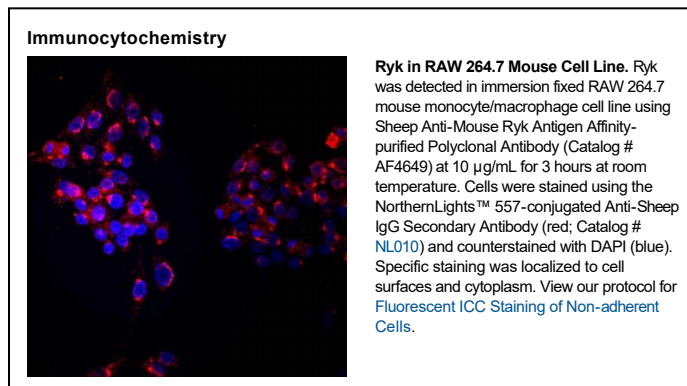
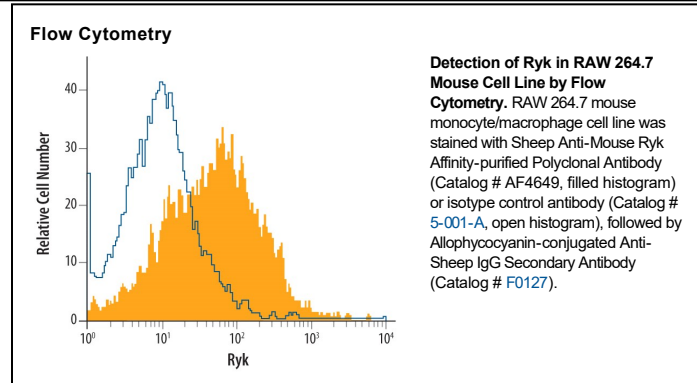
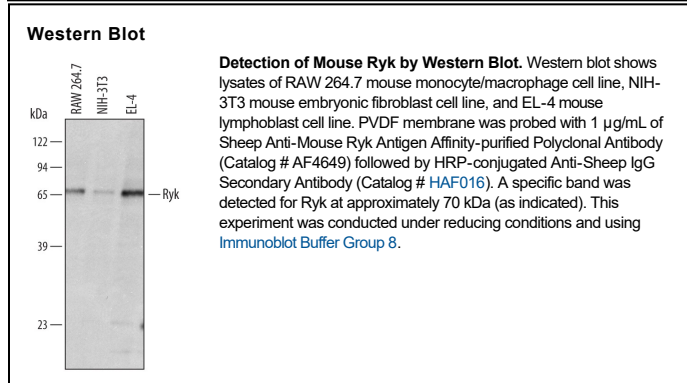
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse and human Ryk in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Ryk Arg35-Arg211 Accession # Q01887
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
Immunocytochemistry	5-15 µg/mL	See Below
CytoF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.