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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ERV31/ERV3-1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: RP1091-Fluoro488

About ERV3-1

HERV-R_7q21.2 provirus ancestral Env polyprotein, also known as ERV3-1, is a protein that in humans is encoded by the ERV3 gene. By radiation hybrid analysis, the ERV3 gene is mapped to chromosome 7q11.2. The human genome includes many retroelements including the human endogenous retroviruses (HERVs). ERV3, one of the most studied HERVs, is thought to have integrated 30 to 40 million years ago and is present in higher primates with the exception of gorillas. Taken together, the observation of genome conservation, the detection of transcript expression, and the presence of conserved ORFs is circumstantial evidence for a functional role. A functional role is also suggested by the observation that downregulation of ERV3 is reported in choriocarcinoma.

Overview

Product Name	Anti-ERV31/ERV3-1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q14264

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ERV31.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.