Datasheet for ABIN2175622

anti-HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd) (AA 331-430) antibody (Cy5)

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Overview

Quantity:	100 µL
Target:	HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd)
Binding Specificity:	AA 331-430
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Syncytin-2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd)
Alternative Name:	Herv-Frd (Herv-frd Products)
Target Type:	Viral Protein

Target Details

Background:	Synonyms: envFRD, UNQ6191, ERVFRDE1, GLLL6191, HERV-FRD, HERV-W/FRD, Syncytin-2, Endogenous retrovirus group FRD member 1, Envelope polyprotein, HERV-FRD_6p24.1 provirus ancestral Env polyprotein, ERVFRD-1, UNQ6191/PRO20218 Background: This endogenous retroviral envelope protein has retained its original fusogenic properties and participates in trophoblast fusion and the formation of a syncytium during placenta morphogenesis. The interaction with MFSD2A is apparently important for this process (PubMed:18988732). Endogenous envelope proteins may have kept, lost or modified their original function during evolution but this one can still make pseudotypes with MLV, HIV-1 or SIV-1 virions and confer infectivity. Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. The surface protein mediates receptor recognition, while the transmembrane protein anchors the envelope heterodimer to the viral membrane through one transmembrane domain. The other hydrophobic domain, called fusion peptide, mediates fusion of the viral membrane with the target cell membrane (PubMed:14694139).
Gene ID:	405754
UniProt:	P60508

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Handling

Expiry Date:	12 months

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