

HERV-FRD Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13018a**Specification**

HERV-FRD Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P60508](#)**HERV-FRD Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 405754**Other Names**

Syncytin-2, Endogenous retrovirus group FRD member 1, Envelope polypeptide, HERV-FRD, HERV-FRD_6p241 provirus ancestral Env polypeptide, Surface protein, SU, Transmembrane protein, TM, ERVFRD-1, ERVFRDE1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HERV-FRD Antibody (N-term) Blocking peptide - Protein Information**Name** ERVFRD-1**Synonyms** ERVFRDE1**Function**

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).

Cellular Location

Virion. [Transmembrane protein]: Cell membrane; Single-pass membrane protein

Tissue Location

Expressed at higher level in placenta. Expressed at lower level in adrenal, bone marrow, brain, breast, colon, kidney, lung, ovary, peripheral blood lymphocytes, prostate, skin, spleen, testis, thymus, thyroid, trachea.

HERV-FRD Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

HERV-FRD Antibody (N-term) Blocking peptide - Images

HERV-FRD Antibody (N-term) Blocking peptide - Background

Human endogenous retroviruses (HERVs) make up approximately 8% of the human genome. Although most HERVs are nonfunctional, the HERV-W (ERVWE1; MIM 604659) and HERV-FRD envelope (env) proteins can induce cell-cell fusion when expressed in cells possessing appropriate receptors (Blaise et al., 2003[PubMed 14557543]).

HERV-FRD Antibody (N-term) Blocking peptide - References

Vargas, A., et al. J. Mol. Biol. 392(2):301-318(2009) Chen, C.P., et al. Biol. Reprod. 79(5):815-823(2008) Malassine, A., et al. Retrovirology 5, 6 (2008) : Mangeney, M., et al. Proc. Natl. Acad. Sci. U.S.A. 104(51):20534-20539(2007) Malassine, A., et al. Placenta 28 (2-3), 185-191 (2007)
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