



HERV, ID (HERV-W_7q21.2 Provirus Ancestral Env Polyprotein, Envelope Polyprotein gPr73, HERV-7q Envelope Protein, HERV-W Envelope Protein, Syncytin, Syncytin-1, Enverin, Env-W, ERVWE1) (Azide free) (HRP)

Catalog number

E2286-05A-HRP

Supplier

United States Biological

Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. The protein, also known as syncytin, is expressed in the placental syncytiotrophoblast and is involved in fusion of the cytotrophoblast cells to form the syncytial layer of the placenta. This protein has the characteristics of a typical retroviral envelope protein, including a furin cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

ELISA: 1:1,000

Western Blot: 1:50-1:100

Optimal dilutions to be determined by the researcher.

Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 400-429 in the central region of human HERV, UniProt Accession #NP_055405; Q9UQF0.

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).

Purity

Purified by Protein A/G affinity chromatography.

**Specificity**

Recognizes human HERV.

Product Type

Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Hu

Storage

-20°C

MW

59.866

Detection Method

HRP

Reference

1. Oluwole,S.O., Amyotroph Lateral Scler 8(2), 67-72 (2007). 2. Gong,R., Cell. Physiol. Biochem. 20(5), 517-526 (2007). 3. Antony,J.M., AIDS Res. Hum. Retroviruses 22(12), 1253-1259 (2006).