

Syncytin 1 Blocking Peptide | ERVW-1 blocking peptide

Syncytin 1 Blocking Peptide

CATALOG #
AAA226377

APPLICATIONS
Immunocompetition, Immunodepletion

PRODUCT SYNONYMS

Syncytin 1; Syncytin 1 Blocking Peptide; Endogenous retrovirus group W member 1 antibody; env antibody; Env-W antibody; Envelope polyprotein gPr73 antibody; Enverin antibody; ERVW antibody; ERVW-1 antibody; Gp24 antibody; Gp50 antibody; HERV-7q Envelope protein antibody; HERV-W envelope protein antibody; HERVW antibody; SU antibody; Syncytin 1 antibody; TM antibody; Transmembrane protein antibody; ERVW-1 blocking peptide

PRODUCT SPECIFICATIONS

Form/Format	Antigenic Blocking Peptide
Sequence Length	538
Applicable Applications for ERVW-1 blocking peptide	Immunocompetition, Immunodepletion
Preparation and Storage	Store at -20 degree C for long term storage.

ADDITIONAL INFORMATION

Related Product Information for ERVW-1 blocking peptide

Overview: 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. May induce fusion through binding of SLC1A4 and SLC1A5 (PubMed:10708449, PubMed:12050356, PubMed:23492904).3 Publications

Endogenous envelope proteins may have kept, lost or modified their original function during evolution.

Peptide Description: Synthetic peptide taken within amino acid region 480-538 on human Syncytin-1 protein.

Structure: The cytoplasmic region is essential for the fusogenic function. The 17 amino acids long immunosuppressive region is present in many retroviral envelope proteins. Synthetic peptides derived from this relatively conserved sequence inhibit immune function in vitro and in vivo.

Expression: Expressed at higher level in placental syncytiotrophoblast. Expressed at intermediate level in testis. Seems also to be found at low level in adrenal tissue, bone marrow, breast, colon, kidney, ovary, prostate, skin, spleen, thymus, thyroid, brain and trachea. Both mRNA and protein levels are significantly increased in the brain of individuals with multiple sclerosis, particularly in astrocytes and microglia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963433
NCBI GeneID	30816
NCBI Accession #	NP_001124397.1
NCBI GenBank Nucleotide #	NM_001130925.1
UniProt Accession #	Q9UQF0 ; O95244 ; O95245 ; Q8NHY7 ; Q9NRZ2 ; Q9NZG3 ; B2RPD4
NCBI Official Full Name	syncytin-1
NCBI Official Synonym Full Names	endogenous retrovirus group W member 1, envelope

NCBI Official Symbol	ERVW-1
NCBI Official Synonym Symbols	ENV; ENVW; HERVW; ERVWE1; HERV7Q; HERV-7q; HERVWENV; HERV-W-ENV
NCBI Protein Information	syncytin-1
UniProt Protein Name	Syncytin-1
UniProt Gene Name	ERVW-1
UniProt Synonym Gene Names	ERVWE1; SU; TM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/blocking-peptide/syncytin-1/226377>