



Human ESX1 blocking peptide (CDBP1158)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-ESX1 antibody
Antigen Description	This gene encodes a dual-function 65 kDa protein that undergoes proteolytic cleavage to produce a 45 kDa N-terminal fragment with a paired-like homeodomain and a 20 kDa C-terminal fragment with a proline-rich domain. The C-terminal fragment localizes to the cytoplasm while the N-terminal fragment localizes exclusively to the nucleus. In contrast to human, the mouse homolog has a novel PN/PF motif in the C-terminus and is paternally imprinted in placental tissue. This gene likely plays a role in placental development and spermatogenesis.
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C, stable for one year.

GENE INFORMATION

Gene Name	ESX1 ESX homeobox 1 [Homo sapiens]
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Official Symbol	ESX1
Synonyms	ESX1; ESX homeobox 1; ESX1L, extraembryonic, spermatogenesis, homeobox 1 homolog (mouse); homeobox protein ESX1; ESXR1; ESX1-related protein; extraembryonic, spermatogenesis, homeobox 1 homolog; ESX1L;
Entrez Gene ID	80712
mRNA Refseq	NM_153448
Protein Refseq	NP_703149
UniProt ID	Q8N693
Chromosome Location	Xq22.2
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;