



## Human ESX1 blocking peptide (CDBP1158)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Blocking peptide for anti-ESX1 antibody
<b>Antigen Description</b>	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.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	PBS containing 0.02% sodium azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C, stable for one year.

### GENE INFORMATION

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