



# Human FOXO4 blocking peptide (CDBP1275)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-FOXO4/MLLT7 antibody
<b>Antigen Description</b>	This gene encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FOXO4 forkhead box O4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	FOXO4

<b>Synonyms</b>	FOXO4; forkhead box O4; MLLT7, myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 7 , myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; forkhead box protein O4; AFX1; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; AFX; MLLT7; MGC120490;
<b>Entrez Gene ID</b>	<a href="#">4303</a>
<b>mRNA Refseq</b>	<a href="#">NM_001170931</a>
<b>Protein Refseq</b>	<a href="#">NP_001164402</a>
<b>UniProt ID</b>	P98177
<b>Chromosome Location</b>	Xq13.1
<b>Pathway</b>	AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem;
<b>Function</b>	DNA binding; DNA binding, bending; double-stranded DNA binding; enzyme binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding