



# Human TNFSF10 blocking peptide (CDBP3036)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	TRAIL ( C - term ) peptide ( human )
<b>Antigen Description</b>	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Concentration</b>	0.2 mg/ml
<b>Size</b>	500 µl
<b>Buffer</b>	Preservative: 0.1% Sodium Azide; Constituents: PBS, BSA
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TNFSF10 tumor necrosis factor (ligand) superfamily, member 10 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TNFSF10
<b>Synonyms</b>	TNFSF10; tumor necrosis factor (ligand) superfamily, member 10; TL2; APO2L; CD253; TRAIL; Apo-2L; tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; TNF-related apoptosis inducing ligand TRAIL; tumor necrosis factor (ligand) family, member 10; chemokine tumor necrosis factor ligand superfamily member 10; tumor necrosis factor apoptosis-inducing ligand splice variant delta;
<b>Entrez Gene ID</b>	<a href="#">8743</a>
<b>mRNA Refseq</b>	<a href="#">NM_001190942.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001177871.1</a>
<b>UniProt ID</b>	P50591
<b>Chromosome Location</b>	3q26
<b>Pathway</b>	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; Caspase-8 activation, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Death Receptor Signalling, organism-specific biosystem; Dimerization of procaspase-8, organism-specifi
<b>Function</b>	cytokine activity; metal ion binding; protein binding; receptor binding; tumor necrosis factor receptor binding;