Human Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 2(TRAIL-R2/DR5) ELISA Kit

Product Code	CSB-E13164h
Abbreviation	TNFRSF10B
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	tumor necrosis factor receptor superfamily, member 10b
Uniprot No.	O14763
Alias	CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICKB, ZTNFR9, Fas-like protein|TNF-related apoptosis-inducing ligand receptor 2|apoptosis inducing protein TRICK2A/2B|a
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cell Biology
Gene Names	TNFRSF10B
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TNFRSF10B ELISA Kit was designed for the quantitative measurement of Human TNFRSF10B protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This protein is a member of the TNF-receptor superfamily, and contains an

intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human TRAIL-R2/DR5 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	84
	Range %	81-89
1:2	Average %	92
	Range %	87-94
1:4	Average %	102
	Range %	98-106
1:8	Average %	105
	Range %	101-109

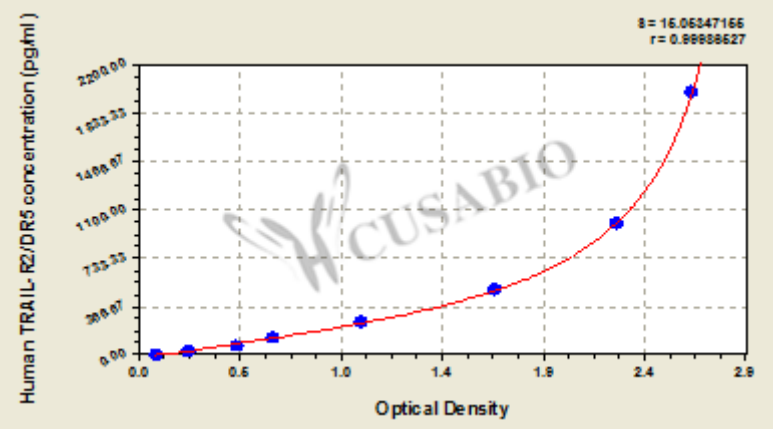
Recovery

The recovery of human TRAIL-R2/DR5 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	99	95-103
EDTA plasma (n=4)	86	83-89

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
2000	2.604	2.598	2.601	2.514
1000	2.293	2.204	2.249	2.162
500	1.687	1.658	1.673	1.586
250	1.087	1.002	1.045	0.958
125	0.629	0.638	0.634	0.547
62.5	0.454	0.468	0.461	0.374
31.25	0.247	0.231	0.239	0.152
0	0.085	0.089	0.087	?

Msds

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