

## ARG81141 Human sTNF-RII ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81141 Human sTNF-RII ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human sTNF-RII in serum, plasma, cell culture supernates.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Human soluble TNF-RII
Target Name	sTNF-RII
Conjugation	HRP
Conjugation Note	read at 450 nm
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma, cell culture supernates
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl
Alternate Names	TNFR1B; CD antigen CD120b; p75; CD120b; p75TNFR; TNF-R-II; TNFBR; TBPII; TNFR80; TBP-2; TNFR2; Tumor necrosis factor receptor 2; Tumor necrosis factor receptor type II; Etanercept; Tumor necrosis factor receptor superfamily member 1B; TNFR-II; TNF-R75; TNF-R2; TNF-RII; p80 TNF-alpha receptor

### Application Instructions

Assay Time	~ 5.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 7133 Human</a> <a href="#">Swiss-port # P20333 Human</a>
Gene Symbol	TNFRSF1B
Gene Full Name	tumor necrosis factor receptor superfamily, member 1B
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1

and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. [provided by RefSeq, Jul 2008]

#### Function

Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity. [UniProt]