

**ARG83319**  
**Human LEFTY1 ELISA Kit**Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83319 Human LEFTY1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human LEFTY1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	LEFTY1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 6.1%
Alternate Names	LEFTY1; Left-Right Determination Factor 1; LEFTYB; LEFTB; Left-Right Determination Factor B; Protein Lefty-1; Protein Lefty-B; Left-Right Determination, Factor B

### Application Instructions

Assay Time	~ 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.

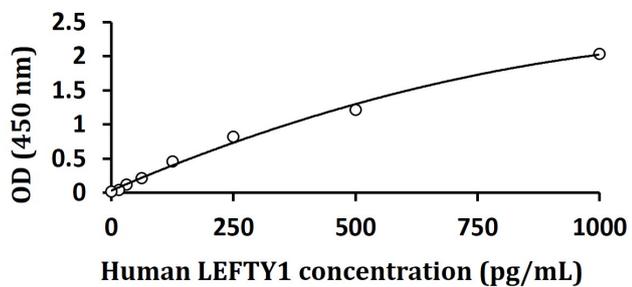
### Bioinformation

Gene Symbol	LEFTY1
Gene Full Name	Left-Right Determination Factor 1
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in left-right asymmetry determination of organ systems during development. This gene is closely linked to both a related family member and a related pseudogene.

Function	Required for left-right axis determination as a regulator of LEFTY2 and NODAL.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Secreted

## Images

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ARG83319 Human LEFTY1 ELISA Kit standard curve image

ARG83319 Human LEFTY1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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