



Goat Thyroid Stimulating Hormone,TSH ELISA Kit

Product Code	CSB-E13278G
Abbreviation	CGA
Target Name	glycoprotein hormones, alpha polypeptide
Uniprot No.	Q8WMW8
Alias	CG-ALPHA, FSHA, GPHA1, GPHa, HCG, LHA, TSHA, chorionic gonadotropin, alpha polypeptide[follicle-stimulating hormone alpha subunit
Product Type	ELISA Kit
Immunogen Species	Capra hircus (Goat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.5 μ IU/mL-20 μ IU/mL
Sensitivity	0.25 μ IU/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	Cancer
Gene Names	CGA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Goat CGA ELISA Kit was designed for the quantitative measurement of Goat CGA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.5 μ IU/mL-20 μ IU/mL and the sensitivity is 0.25 μ IU/mL.
Target Details	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. This protein is the alpha subunit and belongs to the glycoprotein hormones alpha chain family.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<15%



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 goat TSH 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 %	86
	Range %	82-92
1:2	Average %	94
	Range %	91-98
1:4	Average %	102
	Range %	97-105
1:8	Average %	92
	Range %	84-98

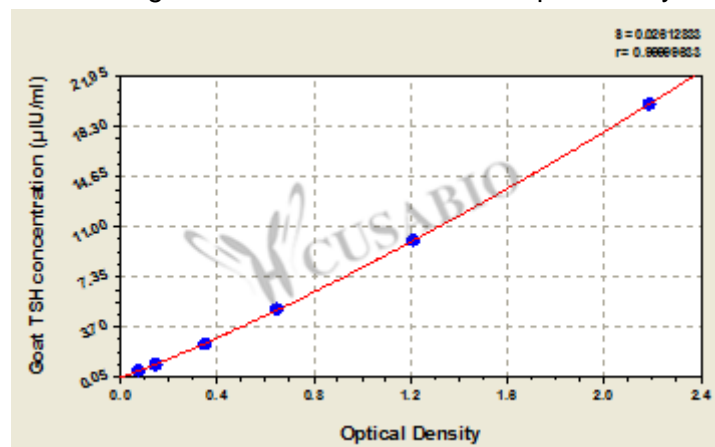
Recovery

The recovery of goat TSH 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)	93	90-97
EDTA plasma (n=4)	105	102-109

Typical

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



μIU/ml	OD1	OD2	Average
20	2.122	2.278	2.200
10	1.238	1.204	1.221
5	0.652	0.663	0.658
2.5	0.368	0.347	0.358
1	0.153	0.158	0.156
0.5	0.083	0.081	0.082

Msds

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