

Follistatin-Like 3 (FSTL-3)

Enzyme-Linked Immunoassay Kit



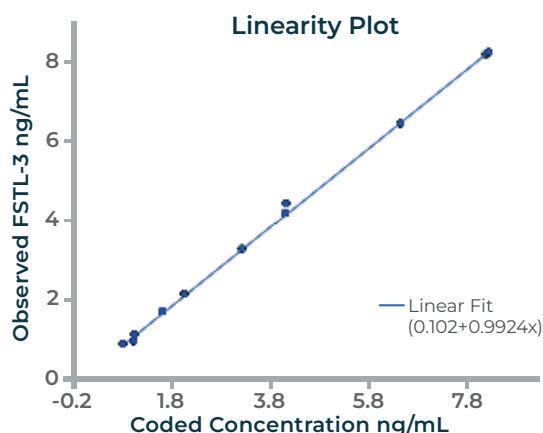
Introduction: Follistatin-like 3 (FSTL-3), also known as Follistatin-related Gene (FLRG) and Follistatin-related protein (FSRP), is a 30-35 kDa secreted glycoprotein. FSTL-3 encodes a novel secreted glycoprotein that is highly homologous to follistatin and binds activins and bone morphogenetic proteins, members of the TGF beta superfamily of growth/differentiation factors. FSTL-3 protein inhibits activin-induced and bone morphogenetic protein-2-induced transcriptional responses in a dose-dependent manner, and its mRNA is abundantly expressed in human placenta,¹ trophoblast,² heart,³ uterus,^{3,4} ovary,^{5,6} testis⁷ and adrenal gland.⁶ Mature human FSTL-3 consists of an Activin and Myostatin binding N-terminal domain, two Follistatin-like domains, and two Kazal-like domains.⁸⁻¹² BMP-2, -6, and -7 do not compete for Activin A binding, and FSTL-3 binds only weakly to Activin B.^{13,14} Unlike Follistatin, FSTL-3 does not contain a heparin-binding domain and does not interact with heparin sulfate proteoglycans.^{15,16} FSTL-3 has been studied in regulation of energy balance and metabolism,¹⁷ gestational diabetes^{18,19} preeclampsia,²⁰ and promotor of tumor cell proliferation.^{21,22}

(Please see the FSTL-3 page on our website for references)

ANSH LABS ADVANTAGES

Accurate

Based on dilutions of the four serum samples containing various FSTL-3 levels diluted with Calibrator A/sample diluent the % recovery on individual samples is represented.



Specific

The mAb pair used in the assay detects Human, Caprine, Bovine, Equine and Canine FSTL-3. Closely related analytes when tested at the stated concentrations did not show any detectable cross-reactivity.

Wide dynamic range reduces repeat testing of samples.
Analytical measurable range of 0.36—12 ng/mL

Improved detection rate.
Sensitive to ~0.164 ng/mL

Eliminates error-prone serial dilutions of single calibrator.
Six value-assigned calibrators provided

No need to buy or make additional reagents.
Kit includes all reagents needed to run a 96-well plate, shipped at ambient temperatures and stored at 2-8°C

Long shelf-life
24 months from the date of manufacture; minimizing assay lot changes for long term studies.

Sample No.	Cross-reactant	Concentration (ng/mL)	% Cross-reactivity
1	FS-288	100	ND
2	FS-315	100	ND
3	Activin A	100	ND
4	Activin B	100	ND

Follistatin-Like 3 (FSTL-3)

Product Listing

FSTL-3 is a useful research tool in Reproductive Endocrinology studies related to:

- Energy Balance
- Metabolism
- Gestational Diabetes
- Preeclampsia
- Tumor Cell Proliferation

ELISA 96 Wells

Method	Quantitative 3-step sandwich type immunoassay
Incubation Time	Total 2.5 hour incubation at room temperature
Approximate Dynamic Range	5 points, 1-12 ng/mL
Sensitivity	0.164 ng/mL
Sample Size / Type	20 µL pre-dilution / Serum
Shelf-life	24 months
Catalog Number	AL-152

Related Assays

Follistatin	96-Well ELISA	AL-117
Activin A	96-Well ELISA	AL-110 [CE]
Activin B	96-Well ELISA	AL-150
Activin AB	96-Well ELISA	AL-153

*Unless otherwise stated here, in our catalog, or other product documentation, these kits are intended for research use only and not for in vitro diagnostic purposes or therapeutic uses.

POS.152.1224.USINTL

Reproductive Function

Activin A [CE]
Activin B
Activin AB
AFP
AMH [CE]
AMH, Dried Blood Spot [CE]
AMH (PCOCheck™) [CE]
picoAMH (MenoCheck®) [FDA, CE]
BMP-15
Estriol [FDA, CE]
Follistatin
Follistatin Like-3
FSH
FSH, Dried Blood Spot
GDF-9
GDF-9/BMP-15 Complex
GDF-15, Total
GDF-15, H-Specific
Inhibin, Total
Inhibin A [FDA, CE]
picoinhibin A
Inhibin A (OMQCheck™)
Inhibin B [CE]
Inhibin B, Ultra-Sensitive [CE]
LH
LH, Dried Blood Spot
PAPP-A [CE]
PAPP-A2 [CE]
picoPAPP-A [CE]
PLGF [CE]
Prolactin [FDA, CE]
Prolactin, Dried Blood Spot [CE]

Specialty Controls

AnshCheck AMH Tri-Level Controls [FDA, CE]
AnshCheck Inhibin B Tri-Level Controls
AnshCheck Maternal Screening Bi-Level Controls [FDA, CE]

Metabolism

C-Peptide of Insulin
GIP, Intact
GIP, Total
Glicentin
GLP-1
GLP-2
Glucagon [FDA, CE]
Major Proglucagon Fragment
Oxyntomodulin
Proglucagon

Growth Factors

IGF-I, Free
IGF-I, Total [FDA, CE]
IGF-II
IGFBP-2
IGFBP-3, Intact
IGFBP-3, Total
IGFBP-4, Intact
IGFBP-4, Total
IGFBP-5
picoll-6
Stanniocalcin 2

Species Specific Assays

Activin B: Mouse, Rat
AMH: Bovine, Canine, Equine, Feline, Mouse, Ovine, Porcine, Primate, Rat
GDF-15: Bovine
IGF-I, Free: Mouse, Rat
IGF-I, Total: Mouse, Rat
IGFBP-4, Intact : Mouse, Rat
IGFBP-4, Total: Mouse, Rat
Inhibin A: Canine, Equine, Rodent
Inhibin B: Canine, Equine, Mouse
Oxyntomodulin: Mouse, Rat
PAPP-A: Mouse

Neuronal Disorders

MBP

**Unless stated otherwise, products are for research use only.

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ISO 13485:2016

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