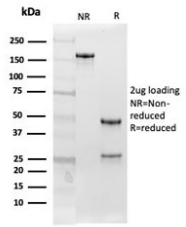
Follistatin Antibody / FS288 Isoform Antibody [clone FST/4282] (V8664)

Catalog No.	Formulation	Size
V8664-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8664-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8664SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	FST/4282
Purity	Protein G affinity chromatography
UniProt	P19883
Localization	Secreted
Applications	ELISA: use in combination with clone FST/4281 for two-site ELISA Western blot: 1-2ug/ml
Limitations	This Follistatin Antibody / FS288 Isoform Antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Follistatin antibody (clone FST/4282) as confirmation of integrity and purity.

Description

Follistatin Antibody / FS288 Isoform Antibody (clone FST/4282) is a mouse monoclonal antibody that specifically recognizes the FS288 isoform of follistatin (FST), a secreted glycoprotein that functions as a potent extracellular antagonist of activins and selected members of the transforming growth factor beta superfamily. The FS288 isoform exhibits high affinity for cell surface heparan sulfate proteoglycans, allowing localized regulation of activin signaling within tissues. This cell-associated distribution distinguishes FS288 from other follistatin isoforms and makes it particularly valuable for investigations of tissue-specific growth factor regulation. Follistatin Antibody / FS288 Isoform Antibody is well suited for studies of developmental biology, muscle physiology, and transforming growth factor beta signaling.

Follistatin regulates numerous biological processes by binding activins and additional transforming growth factor beta family ligands, thereby limiting receptor activation and downstream signaling. Through these interactions, follistatin influences embryonic development, tissue differentiation, skeletal muscle growth, reproductive biology, wound healing, and stem cell function. The FS288 isoform remains closely associated with cell surfaces and extracellular matrices, providing highly localized control of signaling events that regulate cellular proliferation, differentiation, and tissue homeostasis.

Altered follistatin expression has been associated with muscle wasting disorders, fibrosis, infertility, metabolic disease, cardiovascular disease, and multiple forms of cancer. Because FS288 displays unique tissue localization and biological properties compared with circulating follistatin isoforms, isoform-specific detection can provide valuable insight into localized transforming growth factor beta pathway regulation. Clone FST/4282 is also suitable for use as a matched antibody in ELISA assays when paired with clone FST/4281, enabling complementary quantitative analysis of follistatin in research applications.

NSJ Bioreagents' Follistatin Antibody / FS288 Isoform Antibody (clone FST/4282) is a mouse monoclonal antibody developed for specific detection of the FS288 follistatin isoform. This antibody supports investigations into activin signaling, skeletal muscle biology, developmental mechanisms, tissue regeneration, and extracellular growth factor regulation while providing researchers with an isoform-selective tool for advanced follistatin research.

Learn more about follistatin biology, activin signaling, and additional validated products on our Follistatin Antibody page.

Application Notes

Optimal dilution of the Follistatin Antibody / FS288 Isoform Antibody should be determined by the researcher.

Immunogen

Recombinant human FS288 protein was used as the immunogen for the Follistatin antibody.

Storage

Store the Follistatin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Follistatin antibody, FS288 antibody, FST antibody, Activin Binding Protein antibody, Activin Antagonist antibody, Follistatin Isoform antibody

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