

## Ovine Signal Transducer And Activator Of Transcription 5B (STAT5B) ELISA Kit-Sandwich

**Cat. No.:** EK1F47

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Ovine Signal Transducer And Activator Of Transcription 5B (STAT5B) ELISA Kit-Sandwich is designed for the quantitative determination of Ovine Signal Transducer And Activator Of Transcription 5B (STAT5B) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Ovine STAT5B.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	0.32-20 ng/mL
Sensitivity	0.116 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Signal transducer and activator of transcription 5B is encoded by the *STAT5B* gene in sheep. STAT5B is required for eosinophil differentiation of human cord blood-derived CD34+ cells. It plays a critical role in the differentiation of several myeloid cell lines. STAT5 B activation is induced by interleukin-5 (IL-5), which is involved in eosinophil differentiation. In an ovine model, research has shown that Stat5b may be involved in processes other than initiation of milk protein gene transcription.

Target/Biomarker	Ovine STAT5B
Target Synonym	STAT5-B
Gene ID	<a href="#">101122961</a>

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.