

## Ovine 1,5-Anhydroglucitol (1,5-AG) ELISA Kit-Competitive

**Cat. No.:** EK2F243

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Ovine 1,5-Anhydroglucitol (1,5-AG) ELISA Kit-Competitive is designed for the quantitative determination of Ovine 1,5-Anhydroglucitol (1,5-AG) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Ovine 1,5-AG.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	2.36-150 µg/mL
Sensitivity	0.6 µg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

1,5-Anhydroglucitol, also known as 1,5-AG, is a naturally occurring monosaccharide found in nearly all foods. 1,5-AG is ingested from food and is non-metabolized. It enters the kidney, where it is reabsorbed back into the blood through the renal proximal tubule. It is also known as 1-deoxy-D-glucopyranose. Blood concentrations of 1,5-AG decrease during hyperglycemia. Even if other glycaemic measurements (like hemoglobin A1c and blood glucose monitoring) appear normal, 1,5-AG can provide complementary information.

Target/Biomarker	Ovine 1,5-AG
Target Synonym	LycoMark; 1-Deoxy-D-glucose; 1-Deoxy-D-glucopyranose; 1,5-Anhydro-D-glucitol; 1,5-Anhydrosorbitol; Aceritol; Polygalactol

## 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.