

## Bovine Proteinase-Activated Receptor 1 (F2R) ELISA Kit-Sandwich

**Cat. No.:** EK11F688

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine Proteinase-Activated Receptor 1 (F2R) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Proteinase-Activated Receptor 1 (F2R) 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 Bovine F2R.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	0.78-50 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Bovine Proteinase-Activated Receptor 1 is encoded by the *F2R* gene in cattle. It is a G protein-coupled receptor and one of four protease-activated receptors involved in the regulation of thrombotic response. It plays an important role in the development of diabetic nephropathy and it might therefore be an attractive therapeutic target to pursue in diabetic nephropathy. It plays a crucial role in cellular responses to thrombin and related proteases.

Target/Biomarker	Bovine F2R
Target Synonym	coagulation factor II thrombin receptor; PAR1; proteinase-activated receptor 1; PAR-1; protease-activated receptor 1; thrombin receptor
Gene ID	<a href="#">526585</a>
UniProt ID	<a href="#">A7YY44</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).

---

## Reference

Waasdorp, M. *et al.* Protease-activated receptor-1 deficiency protects against streptozotocin-induced diabetic nephropathy in mice. *Scientific reports*. 2016, 6: 33030.

---

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.