

Datasheet for KOA0680**Mouse IL1RL1 - ST2 ELISA Kit****Overview**

Description:	Mouse IL1RL1/ST2 AccuSignal ELISA Kit - KOA0680
Item No.:	KOA0680
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	Interleukin 1 receptor-like 1, also known as IL1RL1 or ST2, is a protein that in humans is encoded by the IL1RL1 gene. The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. TL1RL1 is necessary for endotoxin tolerance and, by inhibiting TLR responses, enhances Th2 responses. This gene, interleukin 1 receptor, type I(IL1R1), interleukin 1 receptor, type II(IL1R2) and interleukin 1 receptor-like 2(IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12.
Synonyms:	DER-4, DER4, FIT 1, Growth stimulation expressed, homolog of mouse growth stimulation-expressed, Il1rl1, IL33R, ILRL1_HUMAN, Interleukin 1 receptor like 1, interleukin 1 receptor related protein, Interleukin-1 receptor-like 1, Ly84, Lymphocyte antigen 84, Protein ST2, ST2, ST2L, ST2V, Ste2, Suppressor of tumorigenicity 2, T1, T1 protein
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL1RL1
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: S27-R332

Purity/Specificity: Natural and recombinant mouse IL1RL1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P14719](#)
- [NCBI - NP_001020773.1](#)
- [GeneID - 17082](#)
- [KOA0680 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse IL1RL1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse IL1RL1 standard solution and each sample be measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 156pg/ml-10,000pg/ml

Other: DOE at 4°C: 11JAN19.
DOE at -20°C 12JUL19.

Formulation

Anticoagulant: Heparin Sodium

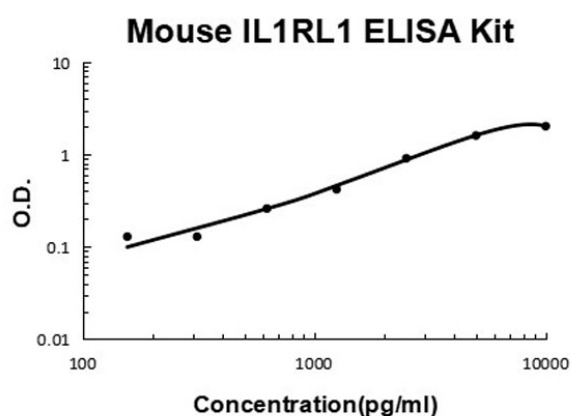
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Mouse IL1RL1/ST2 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.