

**Datasheet for KOA0403****Human TNFRSF7 - CD27 ELISA Kit****Overview**

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|----------------------|---------------------------------------------------|
| <b>Description:</b>  | Human TNFRSF7/CD27 AccuSignal ELISA Kit - KOA0403 |
| <b>Item No.:</b>     | KOA0403                                           |
| <b>Size:</b>         | 1 Kit                                             |
| <b>Applications:</b> | ELISA                                             |
| <b>Reactivity:</b>   | Human                                             |
| <b>Range:</b>        | 62.5 pg/ml - 4000 pg/ml                           |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Background:</b>         | CD27 antigen, also called CD27 or TNFRSF7 is a tumor necrosis factor receptor. This gene is mapped to 12p13.31. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein(SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. |
| <b>Synonyms:</b>           | CD 27, Cd27, CD27 antigen, CD27 molecule, CD27_HUMAN, CD27L receptor, LPFS2, MGC20393, OTTHUMP00000238557, S152, T cell activation antigen CD27, T cell activation antigen S152, T-cell activation antigen CD27, T14, TNFRSF 7, TNFRSF7, TNFSF7, Tp 55, Tp55, Tumor necrosis factor receptor superfamily member 7                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Detection Kit Type:</b> | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Detection Range:</b>    | 62.5 pg/ml - 4000 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sensitivity:</b>        | <1 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                    |       |
|--------------------|-------|
| <b>Gene Name:</b>  | CD27  |
| <b>Reactivity:</b> | Human |

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| <b>Immunogen:</b>          | Expression system for standard: NSO; Immunogen sequence: T21-I192                                                                                                                                                   |
| <b>Purity/Specificity:</b> | Natural and recombinant human TNFRSF7. There is no detectable cross-reactivity with other relevant proteins.                                                                                                        |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P26842</a></li><li>• <a href="#">NCBI - NP_001233.1</a></li><li>• <a href="#">GeneID - 939</a></li><li>• <a href="#">KOA0403 Protocol</a></li></ul> |

## Application Details

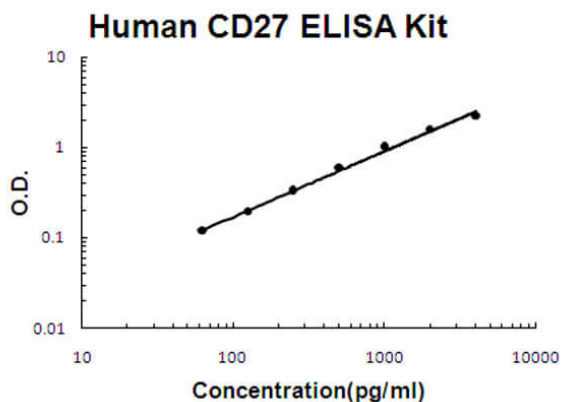
|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Application Note:</b>    | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human TNFRSF7 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 human cell culture supernates or serum to each empty well. It is recommended that each human TNFRSF7 standard solution and each sample be measured in duplicate. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Formulation

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | See kit insert for complete instructions.                                                                                                                                                                                                                                                                                     |

## Images



#### ELISA

Human TNFRSF7/CD27 AccuSignal ELISA Kit standard curve.  
Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <1pg/ml.

## 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.