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## Datasheet for ABIN2747946 ACVR1C/ALK7 ELISA Kit

### Overview

Quantity:	96 tests
Target:	ACVR1C/ALK7 (ACVR1C)
Reactivity:	Rat
Method Type:	Sandwich ELISA
Application:	ELISA

### Product Details

Purpose:	Custom Rat ALK-7 (ACVR1C/Activin A Receptor) ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Rat ALK-7 (ACVR1C/Activin A Receptor)
Characteristics:	<ul style="list-style-type: none"> <li>• Strip plates and additional reagents allow for use in multiple experiments</li> <li>• Quantitative protein detection</li> <li>• Establishes normal range</li> <li>• The best products for confirmation of antibody array data</li> </ul>
Components:	<ul style="list-style-type: none"> <li>• Pre-Coated 96-well Strip Microplate</li> <li>• Wash Buffer</li> <li>• Stop Solution</li> <li>• Assay Diluent(s)</li> <li>• Lyophilized Standard</li> <li>• Biotinylated Detection Antibody</li> </ul>

## Product Details

- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

## Target Details

Target:	ACVR1C/ALK7 (ACVR1C)
Alternative Name:	ALK-7 ( <a href="#">ACVR1C Products</a> )
Background:	ALK-7 (ACVR1C/Activin A Receptor)
Gene ID:	245921
UniProt:	<a href="#">P70539</a>
Pathways:	<a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards as instructed in the manual.</li><li>2. Add 100 µL of standard or sample to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared biotin antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared Streptavidin solution to each well.</li><li>7. Incubate 45 min at RT.</li><li>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 µL of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol>
Assay Procedure:	Prepare all reagents, samples and standards as instructed in the manual.Add 100 µL of

## Application Details

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standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C. Add 100 µL of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 µL of prepared Streptavidin solution to each well. Incubate 45 min at RT. Add 100 µL of TMB One-Step Substrate Reagent to each well. Incubate 30 min at RT. Add 50 µL of Stop Solution to each well. Read at 450 nm immediately.

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Restrictions:	For Research Use only
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## Handling

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Storage:	-20 °C
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Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.
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Expiry Date:	6 months
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