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## Datasheet for ABIN4881923 ICOSLG ELISA Kit

### Overview

Quantity:	96 tests
Target:	ICOSLG
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.41-100 ng/mL
Minimum Detection Limit:	0.41 ng/mL
Application:	ELISA

### Product Details

Purpose:	Human B7-H2/ICOS Ligand ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Human B7-H2.
Sensitivity:	0.4 ng/mL
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></ul>

## Product Details

- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- 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: ICOSLG

Alternative Name: B7-H2 ([ICOSLG Products](#))

Gene ID: 10272399623308

UniProt: [O75144](#)

Pathways: [Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation](#)

## Application Details

Application Notes: Recommended Dilution for serum and plasma samples 2 fold

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.

## Application Details

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9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. 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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