

## Datasheet for ABIN6720301 **REG4 ELISA Kit**

[Go to Product page](#)

### Overview

|                          |                         |
|--------------------------|-------------------------|
| Quantity:                | 1 kit                   |
| Target:                  | REG4                    |
| Reactivity:              | Human                   |
| Method Type:             | Sandwich ELISA          |
| Detection Range:         | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL               |
| Application:             | ELISA                   |

### Product Details

|                    |  |
|--------------------|--|
| Purpose:           | Human REG-4 Sandwich ELISA Kit for Quantitative Detection  |
| Brand:             | AccuSignal™  |
| Sample Type:       | Cell Culture Supernatant, Plasma (heparin), Serum  |
| Analytical Method: | Quantitative   |
| Detection Method:  | Colorimetric   |
| Specificity:       | Production: Natural and recombinant human REG-4. There is no detectable cross-reactivity with other relevant proteins.                         |
| Sensitivity:       | < 10 pg/mL   |
| Components:        | <ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul> |

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: REG4

Alternative Name: REG-4 ([REG4 Products](#))

Background: Synonyms: Gastrointestinal secretory protein, GISP, REG IV, REG like protein, REG-4, REG-like protein, Reg4, REG4\_HUMAN, Regenerating gene type IV, Regenerating islet derived family member 4, Regenerating islet derived protein 4 precursor, Regenerating islet-derived protein 4, Regenerating islet-derived protein IV, REGIV, RELP

Background: Regenerating islet-derived protein 4 is a protein that in humans is encoded by the REG4 gene. It is mapped to 1p12. REG-4 gene contains 6 exons and that the exon structure is preserved among members of the REG gene family. This gene is able to maintain carbohydrate recognition activity in an acidic environment. REG-4 expression was significantly upregulated by inflammation and tissue injury associated with active Crohn disease and ulcerative colitis, and most of the colorectal tumors overexpressing REG-4 are mucinous tumors or neuroendocrine tumors.

Gene ID: 83998

NCBI Accession: [NP\\_001152824](#)

UniProt: [Q9BYZ8](#)

## Application Details

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Application Notes: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human REG-4 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human REG-4 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: E.coli, Immunogen sequence: D23-P158

Application Details

|                |                       |
|----------------|-----------------------|
| Sample Volume: | 100 µL                |
| Plate:         | Pre-coated            |
| Restrictions:  | For Research Use only |

Handling

|                  |   |
|------------------|---|
| Storage:         | 4 °C,-20 °C   |
| Storage Comment: | 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. |
| Expiry Date:     | 12 months   |