

Datasheet for ABIN6985690

**anti-IRS1 antibody (pTyr1179) (Cy5.5)**[Go to Product page](#)

## Overview

|                      |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Quantity:            | 100 µL                                                               |
| Target:              | IRS1                                                                 |
| Binding Specificity: | pTyr1179                                                             |
| Reactivity:          | Human, Mouse, Rat                                                    |
| Host:                | Rabbit                                                               |
| Clonality:           | Polyclonal                                                           |
| Conjugate:           | This IRS1 antibody is conjugated to Cy5.5                            |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthesised phosphopeptide derived from human IRS1 around the phosphorylation site of Ser1179. |
| Isotype:          | IgG                                                                                                           |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                             |
| Purification:     | Purified by Protein A.                                                                                        |

## Target Details

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Target:           | IRS1                                                                                   |
| Alternative Name: | IRS1 ( <a href="#">IRS1 Products</a> )                                                 |
| Background:       | Synonyms: IRS1 (phospho S1179), p-IRS1 (phospho S1179), p-IRS1, IRS1(phospho-Ser1179), |

## Target Details

HIRS 1, HIRS1, Insulin Receptor Substrate 1, IRS-1, IRS 1, IRS1, OTTHUMP00000164234, IRS1\_HUMAN.

Background: May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit.

Gene ID: 3667

UniProt: [P35568](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Response to Growth Hormone Stimulus](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: FCM 1:20-100  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months