

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ICA1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ICA1 Ser2-Ala482 Accession # ABW03414
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Islet Cell Autoantigen 1 (ICA1), also known as ICA 69 kDa (ICA69), is a cytosolic protein that is associated with the Golgi complex and with immature secretory granules. Its N-terminal region shares similarity with arfaptins (ADP-ribosylation factor-interacting-proteins), suggesting that ICA1 likely plays a role in membrane trafficking. Human ICA-1 is a 483 amino acids (aa) protein. As a result of aa insertions, deletions and substitutions, multiple isoforms exist. Human ICA-1 shows 89% and 94% aa identity to mouse and canine ICA-1, respectively.

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