

IA-2 (ICA 512)

Antigen Specification

Product Number: 30500

Description:

Human insulinoma-associated protein IA-2 (ICA 512), also known as receptor-type tyrosine-protein phosphatase-like N (PTPRN). Recombinant antigen for in vitro research and manufacturing use only.

Immunological function:

Binds IgG-type human auto-antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica multiple nuclear polyhedrosis virus*; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

cDNA coding for the amino acids 603 to 979 of human IA-2 (ICA 512) fused to a hexa-histidine purification tag. This corresponds to the intracellular region of ICA 512 and contains the sequence of the tryptic protein fragment originally defined as IA-2 autoantigen.

Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with patient sample.

Calculated molecular weight:

45 kDa

Calculated isoelectric point:

pH 6.2

Immunological tests/Functionality:

Immunodot analyses of positive/negative patient samples.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

Copyright 2019 DIARECT AG