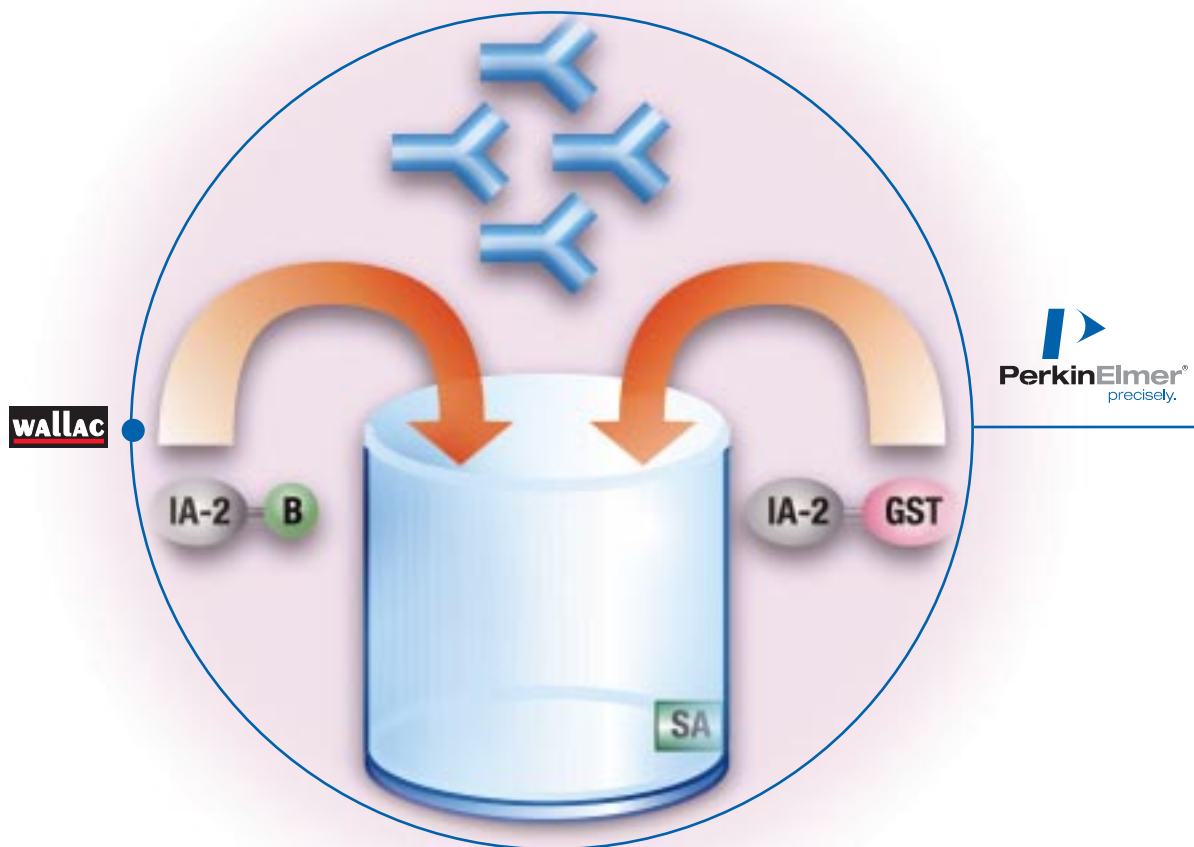


DELFI[®]A IA-2 Ab



Type 1 diabetes research is facilitated with sensitive DELFIA[®] autoantibody kits such as DELFIA IA-2 Ab.

Antibodies against tyrosine phosphatase-like protein (IA-2) are usually detectable years before the clinical onset of type 1 diabetes.

For determination of IA-2 Ab, the DELFIA method is fast, sensitive and straightforward; results are available in only 2 hours.

Reliable DELFIA assay for the quantitative detection of circulating autoantibodies against tyrosine phosphatase -like protein (IA-2) in serum

1. Biotinylated IA-2, GST-IA-2 and sample/standards are added to a streptavidin-coated well (1 hour, room temperature, slow shaking)
2. Europium-labelled anti-GST antibody is added (30 minutes, room temperature, slow shaking)
3. Following enhancement, the signal is measured by time-resolved fluorometry

DELFIA® IA-2 – superior to radio-binding assays in many ways

DELFIA assay

Strengths:

- good sensitivity and specificity
- very broad linear measurement range
- no radioactive waste
- simple and fast (~ 2 h)
- reliable (< 20 % CV)
- easy to automate
- strict QA rules
- WHO calibrated

Radiobinding assay

Strengths:

- low sample volume (2.5 µL)
- good sensitivity and specificity

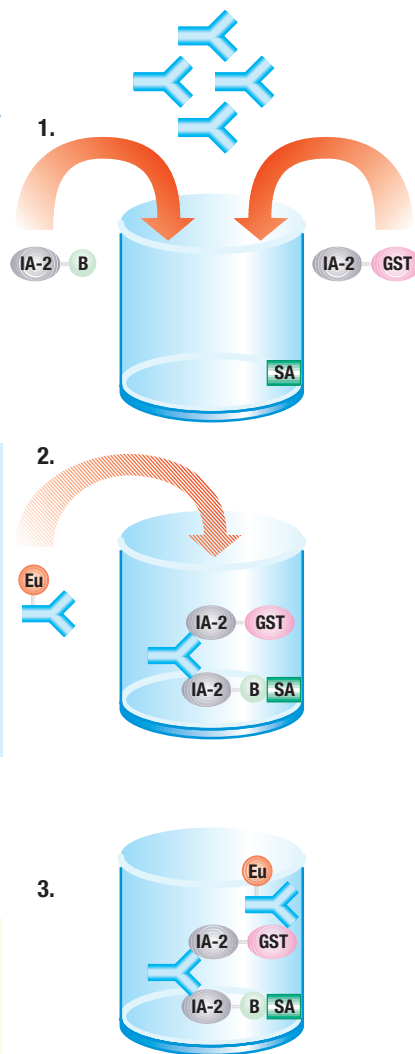
Weaknesses:

- lack of reagent QA control
- use of radioactive labels
- laborious
- lengthy (1- days)
- imprecision (< 40 % CV)
- narrow linear measurement range

DELFIA/AutoDELFIA IA-2-Ab Kit 4012-0010

Although there is still no cure for juvenile diabetes early detection can reduce the likelihood of long-term complications, both improving the quality of life and reducing the costs that result from repeated hospitalizations. PerkinElmer LifeSciences methods provide the information needed to allow doctors to prepare for treatment to delay or prevent clinical onset of diabetes.

This product is available for research purposes only.



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