

Parvovirus B19 VLP VP2

Antigen Specification

Product Number: 48000

Description:

Human parvovirus B19 capsid protein VP2 as virus-like particle (VLP).
Recombinant antigen for research use only.

Immunological function:

Binds IgG- and IgM-type human antibodies.

Origin:

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

Expression construct:

Full-length cDNA coding for human parvovirus B19 VP2.

Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with anti-Parvovirus B19 positive sample.

Calculated molecular weight:

61 kDa

Calculated isoelectric point:

pH 6.40

Immunological tests/Functionality:

Immunodot analyses with positive/negative 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.

Appearance:

Light scattering properties of virus-like particles (VLPs) cause slight turbidity of product suspensions; this does not affect product quality.

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