

Parvovirus B19 VLP VP1/VP2 Co-Capsid

Antigen Specification

Product Number: 48100

Description:

Human parvovirus B19 capsid proteins VP1 and VP2 as virus-like particle (VLP).

Recombinant antigen for in vitro research and manufacturing 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 cDNAs coding for human parvovirus B19 VP1 and B19 VP2.

Biochemical tests:

SDS-PAGE (purity > 80%; content of VP1 > 3.5%); Western blot with anti-Parvovirus B19 positive sample.

Calculated molecular weights:

VP1 86 kDa

VP2 61 kDa

Calculated isoelectric points:

VP1 pH 6.11

VP2 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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