

## Parvovirus B19 VLP VP2

### Antigen Specification

**Product Number: 48000**

**Description:**

Human parvovirus B19 capsid protein 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 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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