

TECHNICAL DATA SHEET

CyFlow™ SCIMP Purified Anti-Hu; Clone NVL-07

REF CQ058504

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	SCIMP
Alternative Names	—
Clone	NVL-07
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Recombinant intracellular part of human SCIMP

Specificity

The mouse monoclonal antibody NVL-07 recognizes intracellular part of human transmembrane adaptor SCIMP. This protein of 17 kDa predicted Mw migrates as a 22 kDa band on SDS PAGE.

Contact Information:

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

SCIMP (SLP adaptor and Csk interacting membrane protein), also known as Nvl, is a palmitoylated transmembrane adaptor protein expressed in professional antigen presenting cells, most prominently in the lymph nodes and spleen. It is associated with tetraspanin-enriched microdomains (together with MHC II). There is a close relationship between SCIMP and tyrosinkinase Lyn, which is constitutively bound to it by its SH3 domain. After MHC II-mediated stimulation in the immunological synapse SCIMP becomes phosphorylated at several tyrosine residues and provides docking sites for Grb2 and SLP65 or SLP76 adaptors transducing the signal downstream, as well as for the kinase Csk with modulatory roles.

References

- Draber P, Vonkova I, Stepanek O, Hrdinka M, Kucova M, Skopцова T, Otahal P, Angelisova P, Horejsi V, Yeung M, Weiss A, Brdicka T: SCIMP, a transmembrane adaptor protein involved in major histocompatibility complex class II signaling. Mol Cell Biol. 2011 Nov; 31(22):4550-62. < PMID: 21930792 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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