

Datasheet for ABIN1302508

**anti-SCIMP antibody**[Go to Product page](#)**3** Images**1** Publication

## Overview

Quantity:	0.1 mg
Target:	SCIMP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SCIMP antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant intracellular part of human SCIMP
Clone:	NVL-07
Isotype:	IgG2a
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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	SCIMP
Alternative Name:	SCIMP ( <a href="#">SCIMP Products</a> )
Background:	SLP adaptor and CSK interacting membrane protein,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.,NVL
Gene ID:	388325
UniProt:	<a href="#">Q6UWF3</a>

## Application Details

Application Notes:	Flow cytometry: Intracellular staining. Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

## Handling

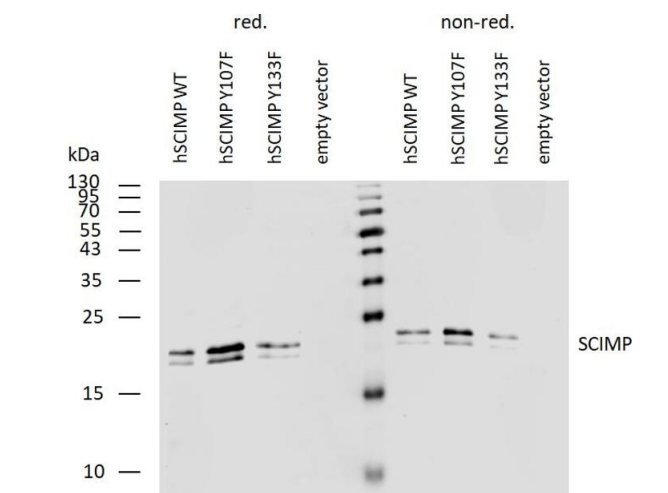
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in: Draber, Vonkova, Stepanek, Hrdinka, Kucova, Skopcova, Otahal, Angelisova, Horejsi, Yeung,

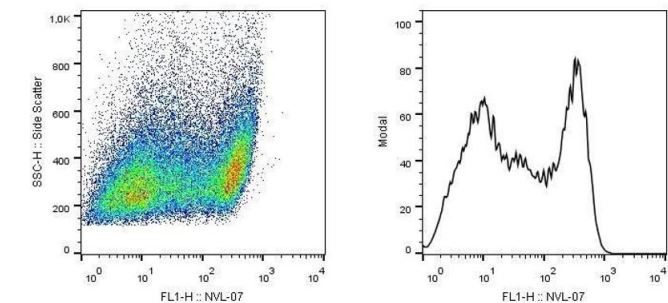
Weiss, Brdicka: "SCIMP, a transmembrane adaptor protein involved in major histocompatibility complex class II signaling." in: **Molecular and cellular biology**, Vol. 31, Issue 22, pp. 4550-62, (2011) ([PubMed](#)).

Images



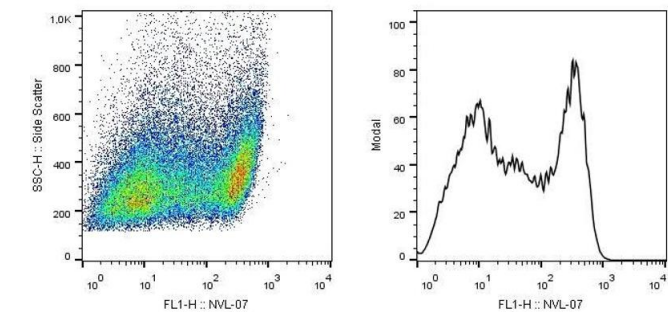
Western Blotting

**Image 1.** Western blotting analysis of human SCIMP using mouse monoclonal antibody NVL-07 on lysates of human SCIMP transfectants under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2  $\mu$ g/mL of mouse monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. SCIMP was detected around 17-22 kDa.



Immunofluorescence

**Image 2.** Intracellular staining of SCIMP in a population of HEK-293T-SCIMP transfectants using monoclonal antibody (clone NVL-07, purified). The staining pattern reflects heterogeneity in the cell population regarding transfection efficiency.



Flow Cytometry

**Image 3.** Flow cytometry analysis (intracellular staining) of SCIMP in a population of HEK-293T-SCIMP transfectants using monoclonal antibody (clone NVL-07, purified). The staining pattern reflects heterogeneity in the cell population regarding transfection efficiency.