

anti-Human SCIMP Antibody | anti-SCIMP antibody

Anti-SCIMP PE

CATALOG # AAA129201	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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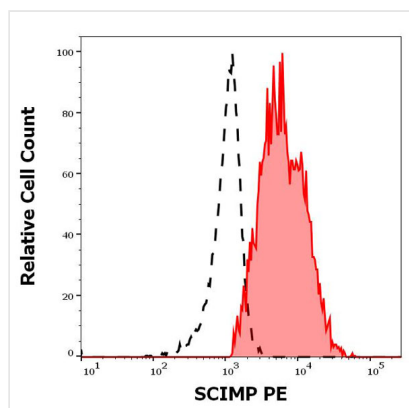
PRODUCT SYNONYMS

SCIMP; Anti-SCIMP PE; SLP adaptor and CSK interacting membrane protein; NVL; anti-SCIMP antibody

PRODUCT SPECIFICATIONS

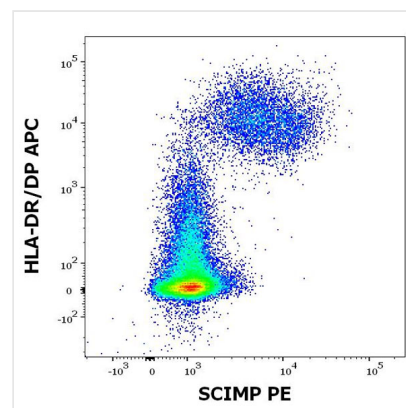
Reactivity	Human
Isotype	Mouse IgG2a
Clone Number	NVL-07
Specificity	The mouse monoclonal antibody NVL-07 recognizes intracellular part of human transmembrane adaptor SCIMP. This protein of 17 kDa predicted Mw migrates as a 22 kDa band on SDS PAGE.
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-SCIMP antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant intracellular part of human SCIMP
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



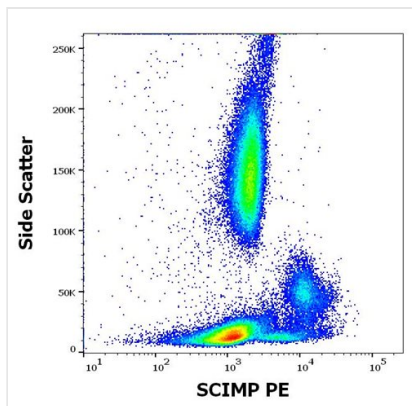
FCM/FACS (Flow Cytometry)

Separation of human HLA-DR/DP positive SCIMP positive lymphocytes (red-filled) from HLA-DR/DP negative SCIMP negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-SCIMP (NVL-07) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor staining pattern of human lymphocytes using anti-human HLA-DR/DP (MEM-136) APC antibody (10 ?l reagent / 100 ?l of peripheral whole blood, surface staining) and anti-SCIMP (NVL-07) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood, intracellular staining).



FCM/FACS (Flow Cytometry)

Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-SCIMP (NVL-07) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-SCIMP antibody	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, Skopcova 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., URL: https://pubmed.ncbi.nlm.nih.gov/21930792/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	427197601
NCBI GeneID	388325
NCBI Accession #	NP_001258771.1
NCBI GenBank Nucleotide #	NM_001271842.1
UniProt Accession #	Q6UWF3; Q96MD0; A6XGL4; B4DLK1
Molecular Weight	15,693 Da
NCBI Official Full Name	SLP adapter and CSK-interacting membrane protein isoform 2
NCBI Official Synonym Full Names	SLP adaptor and CSK interacting membrane protein
NCBI Official Symbol	SCIMP
NCBI Official Synonym Symbols	UNQ5783; C17orf87
NCBI Protein Information	SLP adapter and CSK-interacting membrane protein
UniProt Protein Name	SLP adapter and CSK-interacting membrane protein
UniProt Gene Name	SCIMP
UniProt Synonym Gene Names	C17orf87
UniProt Entry Name	SCIMP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-antibody/scimp/129201>