

Product datasheet

Anti-CD62P antibody [Psel.KO.2.7] - BSA and Azide free ab269578

[2 Images](#)

Overview

Product name	Anti-CD62P antibody [Psel.KO.2.7] - BSA and Azide free
Description	Mouse monoclonal [Psel.KO.2.7] to CD62P - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow Cyt: Thrombin activated human platelets. IHC-Fr: Human tonsil tissue.
General notes	ab269578 is the carrier-free version of ab54427 .

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.

Our [carrier-free](#) antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein G purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	Psel.KO.2.7
Myeloma	NS1
Isotype	IgG1

Applications

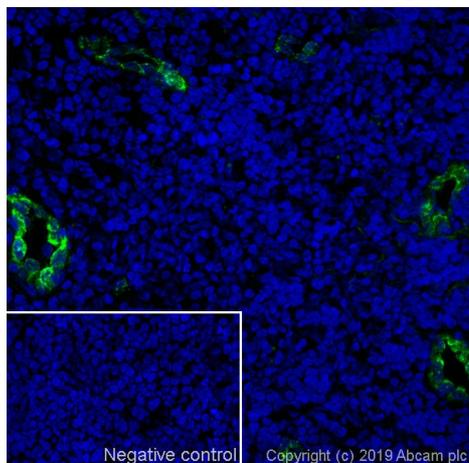
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab269578 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use a concentration of 5 µg/ml.
Flow Cyt		1/25 - 1/50. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1.
Tissue specificity	Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.
Involvement in disease	Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
Sequence similarities	Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain. Contains 9 Sushi (CCP/SCR) domains.

Images

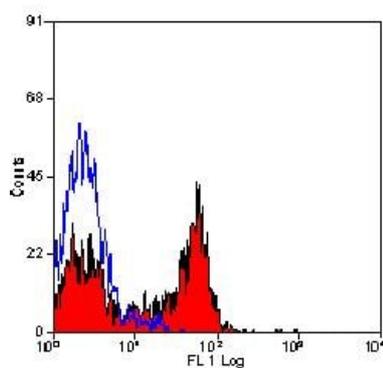


Immunohistochemistry (Frozen sections) - Anti-CD62P antibody [Psel.KO.2.7] - BSA and Azide free (ab269578)

IHC image of CD62P staining in a section of frozen normal human tonsil*. The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with [ab54427](#) at 5µg/ml. The section was then incubated with [ab150117](#) (Goat Anti-Mouse IgG H&L (Alexa Fluor® 488), 1/1000)) (shown in green) for 1 hour at room temperature. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. The secondary-only control insert image is taken from an identical assay without primary antibody. The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). For IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antibody concentrations and incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.

This image was produced using the same antibody clone but in a different formulation [ab54427](#), PBS and sodium azide.



Flow Cytometry - Anti-CD62P antibody [Psel.KO.2.7] - BSA and Azide free (ab269578)

Flow cytometry analysis of thrombin activated human platelets staining CD62P using [ab54427](#) at a 1/25 dilution (red).

This image was produced using the same antibody clone but in a different formulation [ab54427](#), PBS and sodium azide.

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