

Datasheet: MCA2419A647T

**BATCH NUMBER 151494**

|                      |   |
|----------------------|---|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD62P:Alexa Fluor® 647 |
| <b>Specificity:</b>  | CD62P                                   |
| <b>Other names:</b>  | P-SELECTIN                              |
| <b>Format:</b>       | ALEXA FLUOR® 647                        |
| <b>Product Type:</b> | Monoclonal Antibody                     |
| <b>Clone:</b>        | Psel.KO.2.7                             |
| <b>Isotype:</b>      | IgG1                                    |
| <b>Quantity:</b>     | 25 TESTS/0.25ml                         |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪   |    |                | Neat               |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Horse, Bovine, Rat, Goat, Cat, Sheep

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG conjugated to Alexa Fluor® 647 - liquid

| Max Ex/Em | Fluorophore     | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------|---------------------|-------------------|
|           | Alexa Fluor®647 | 650                 | 665               |

### Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

|                                       |   |
|---------------------------------------|---|
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide<br>1% Bovine Serum Albumin   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.05 mg/ml  |
| <b>Immunogen</b>                      | P-selectin transfected 300.19 cells.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b></p> <p><a href="#">P16109</a>      <a href="#">Related reagents</a></p> <p><a href="#">P42201</a>      <a href="#">Related reagents</a></p> <p><a href="#">P98106</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">6403</a>      SELP      <a href="#">Related reagents</a></p> <p><a href="#">281486</a>      SELP      <a href="#">Related reagents</a></p> <p><a href="#">25651</a>      Selp      <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | GMRP, GRMP  |
| <b>RRID</b>                           | AB_1102266  |
| <b>Fusion Partners</b>                | Spleen cells from immunised CD62P knock-out mice (strain C57/B6) were fused with cells of the NS-1 myeloma cell line.   |
| <b>Specificity</b>                    | <b>Mouse anti human CD62P, clone Psel.KO.2.7</b> , recognizes human P-Selectin. CD62P is a ~140 kDa surface antigen expressed by activated platelets and endothelial cells, and plays an important role in adhesive processes between leucocytes and endothelial cells.   |
| <b>Flow Cytometry</b>                 | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.   |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Massaguer, A. <i>et al.</i> (2000) Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P). <a href="#">Tissue Antigens. 56 (2): 117-28.</a></li> <li>2. Massaguer, A. <i>et al.</i> (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). <a href="#">Vet Immunol Immunopathol. 96 (3-4): 169-81.</a></li> <li>3. Massaguer, A. <i>et al.</i> (2002) Reactivity of CD62P workshop mAbs with resting and activated platelets from different animal species. In: Leucocyte Typing VII. Edited by Mason, D. <i>et al.</i> Oxford University Press, pp 342-3.</li> <li>4. Shirasuna, K. <i>et al.</i> (2012) Rapid accumulation of polymorphonuclear neutrophils in the Corpus luteum during prostaglandin F(2<math>\alpha</math>)-induced luteolysis in the cow. <a href="#">PLoS One. 7: e29054.</a></li> <li>5. Johnson, C.A. Jr. <i>et al.</i> (2011) Platelet activation in ovines undergoing sham surgery or implant of the second generation PediaFlow pediatric ventricular assist device. <a href="#">Artif Organs. 35: 602-13.</a></li> <li>6. Iwaszko-Simonik, A. <i>et al.</i> (2015) Expression of surface platelet receptors (CD62P and</li> </ol> |

CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)

7. Johnson, C.A. Jr *et al.* (2008) Flow cytometric assays for quantifying activated ovine platelets. [Artif Organs. 32 \(2\): 136-45.](#)

8. Johnson, C.A. Jr *et al.* (2011) Biocompatibility assessment of the first generation PediaFlow pediatric ventricular assist device. [Artif Organs. 35 \(1\): 9-21.](#)

9. Johnson, C.A. Jr *et al.* (2011) Platelet activation after implantation of the Levitronix PediVAS in the ovine model. [ASAIO J. 57 \(6\): 516-21.](#)

10. Shankarraman, V. *et al.* (2014) Biocompatibility Assessment of the CentriMag- Novalung Adult ECMO Circuit in a Model of Acute Pulmonary Hypertension. [ASAIO J. 60 \(4\): 429-35.](#)

11. Trichler, S.A. *et al.* (2013) Ultra-pure platelet isolation from canine whole blood. [BMC Vet Res. 9: 144.](#)

12. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)

13. Johnson, C.A. Jr. *et al.* (2011) Platelet activation in ovines undergoing sham surgery or implant of the second generation PediaFlow pediatric ventricular assist device. [Artif Organs. 35 \(6\): 602-13.](#)

14. ChanC, H.H. *et al.* (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. [Artif Organs. 41 \(10\): 934-947.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2419A647T>  
10041

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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