

ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701257

Store at 2° to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human P-Selectin
Predicted Reactivity: Human

Product Description

P-selectin is a 140 kDa type 1 transmembrane glycoprotein, and is one of the most commonly studied proteins that regulate cell rolling. P-selectin is stored in the Weibel-Palade bodies of endothelial cells, as well as in α-granules of platelets. From there, it can be rapidly brought to the cell surface after exposure to thrombin, histamine, complement 5a, Ca²⁺ ionophores, or adenosine diphosphate.

Product Specifications

Immunogen: Peptide corresponding to amino acids 113–126 of human P-selectin
Alternate Names: GRMP, LECAM3, PADGEM
Apparent MW: ~140 kDa
Gene ID: 6403
Protein Accession No.: P16109
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey
Clone/PAD: 3H20L10
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Immunocytochemistry	Human	U2OS cells	1–3 µg/mL
Western blotting	Human	Jurkat cells	1–2 µg/mL
Indirect ELISA	Human	Jurkat cells	1.5 × 10 ⁻⁴ to 3 µg/mL

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store the antibody at 2° to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

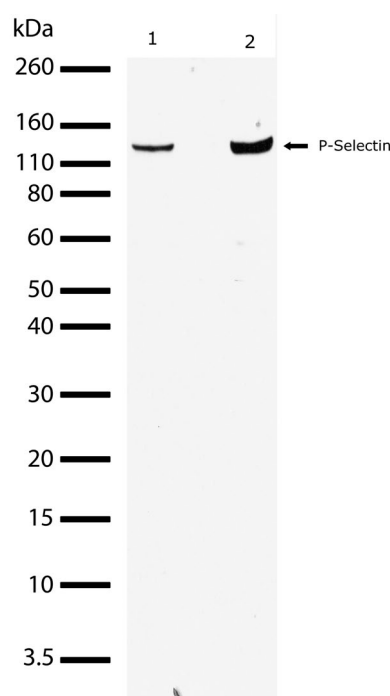


Figure 1 Western blot analysis of ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701257).

Western blot analysis was performed on Jurkat whole cell extracts. Endogenous levels of P-Selectin was detected at ~140 kDa using ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using chemiluminescence (ECL) method.

For research use only. Not for human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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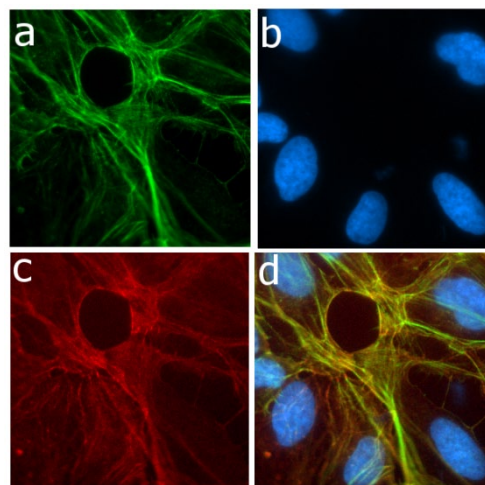


Figure 2 Immunocytochemistry analysis of ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701257).

Immunocytochemistry analysis of U2OS cells stained with ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody, using **a:** Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b:** DAPI stained U2OS nuclei (blue). **c:** Actin stained with Alexa Fluor® 594 phalloidin (red). **d:** Composite image of cells showing membrane localization of P-selectin.

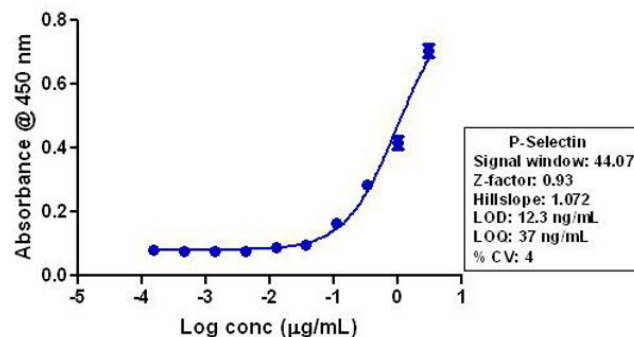


Figure 3 Indirect ELISA of ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701257).

Indirect ELISA was performed using various dilutions of ABfinity™ P-Selectin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701257) to detect P-Selectin from Jurkat lysate coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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