

P-Selectin Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P73688
Synonyms:	P-selectin; GMP-140; LECAM3; PADGEM; CD62P; Selp
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001094728 (W42-A771)
Gene ID:	701277
Molecular Weight:	Approximately 106.8 kDa

PROPERTIES

AA Sequence

W T Y H Y S T K A Y	S W N T S R K Y C Q	N R Y T D L V A I Q	N K K E I D Y L N E
V L P Y Y S T Y Y W	I G I R K S N K T W	T W V G T K K A L T	K E A E N W A D N E
P N N K R N N E D C	V E I Y I K S P S A	P G K W N D E H C L	K K K H A L C Y T A
S C Q D M S C S K Q	G E C L E T I G N Y	T C S C Y P G F Y G	P E C E Y V T E C G
E L E L P Q H V L M	N C S H P L G N F S	F N S Q C S F H C A	D G Y Q V N G P S K
L E C L A S G I W T	H K P P Q C L A A Q	C P P L K I P E R G	N M T C L H S A K A
F Q H Q S S C G F S	C E E G F V L V G P	E V V Q C T A S G V	W T A P A P V C K A
V Q C Q H L E A P S	E G T M D C I H P L	A A F A Y G S N C K	F E C Q L G Y R V R
G L D T L R C I G S	G H W S A P L P T C	E A I S C E P L E S	P V H G S M D C S P
S L R A F Q Y D T N	C S F R C A E G F M	L R G A D I V R C D	N L G Q W T A P A P
V C Q A L Q C Q D L	P V P N E A Q V N C	S H P F G A F R Y Q	S V C S F T C N E D
L L L V G A S V L Q	C L A T G N W N S V	P P E C Q A I P C T	P L L S P Q N G T M
T C V Q P L G S S S	Y K S T C H F I C D	E G F S L S G P E R	L D C T R S G R W T
D S P P T C E A I K	C P E L F A P E Q G	S L D C S D T H G E	F N V G S T C H F S
C N K G F K L E G P	N N V K C T T S G R	W S A T P P A C K G	I A S L P S P G V Q
C P A L T T P G Q G	T M H C R H H P G T	F G F N T T C Y F G	C N A G F T L T G D
S I L S C R P S G Q	W T A V T P T C R A	V K C P E L H V N K	P I V M N C S N L W
G N F S Y G S I C S	F H C L E G Q L L N	G S A Q T A C Q E N	G H W S T T V P T C
Q A G P L T I Q E A			

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION**Background**

P-selectin is an adhesion molecule located in the platelet a granule and Weibel-Palade body of endothelial cells. P-selectin mediates the rolling of blood cells on the surface of the endothelium and initiates the attachment of leukocytes circulating in the blood to platelets, endothelial cells, and other leukocytes at sites of tissue injury and inflammation. P-selectin glycoprotein ligand-1 (PSGL-1) is a major ligand for P-selectin which is responsible for leukocyte rolling on active endothelium. Glycoprotein GPIb mediates platelet adhesion to subendothelium at sites of injury and the rolling of inactivated platelets on its activated surface. Sulfatides are ligands for P-selectin, which plays a role in platelet aggregation and adhesion^[2].

Caution: Product has not been fully validated for medical applications. For research use only.

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