

For Research Use Only

# E-selectin / CD62E Polyclonal antibody



Catalog Number: 20894-1-AP

40 Publications

## Basic Information

<b>Catalog Number:</b> 20894-1-AP	<b>GenBank Accession Number:</b> BC142711	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6401	<b>Recommended Dilutions:</b> IHC 1:2000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> selectin E	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 610 aa, 67 kDa	
<b>Immunogen Catalog Number:</b> AG14944		

## Applications

<b>Tested Applications:</b> FC, IHC, ELISA	<b>Positive Controls:</b> IHC : human tonsillitis tissue, human appendicitis tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

E-selectin, also known as ELAM-1 or CD62E, is a member of the selectin family of adhesion molecules that also includes L-selectin and P-selectin. E-selectin is an inducible endothelial cell surface molecule. Its expression on endothelial cells is transcriptionally upregulated by various proinflammatory substances such as IL-1, TNF $\alpha$  and lipopolysaccharide (LPS). Besides, it can be secreted by endothelial cells, and can be detected in a soluble form (sE-selectin) in serum. During inflammation, E-selectin plays an important part in recruiting leukocytes to the site of injury. (PMID: 2827173; 1382417; 8943958)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaohui Zhou	32935825	Clinics (Sao Paulo)	WB
Zhen Tan	36478888	Exp Ther Med	WB
Juan Feng	34743931	Fitoterapia	WB

## Storage

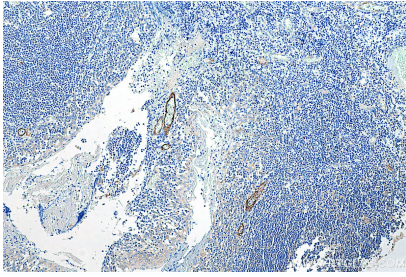
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

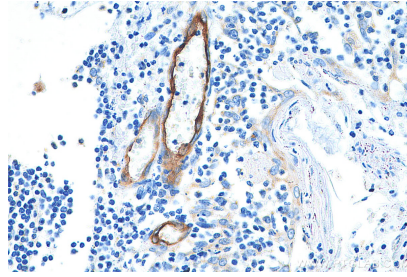
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

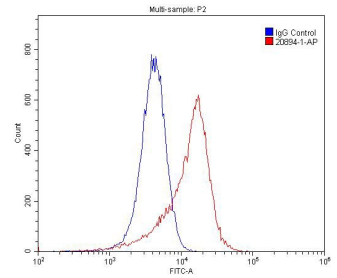
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20894-1-AP (E-selectin / CD62E antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20894-1-AP (E-selectin / CD62E antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HUVEC cells were stained with 0.2ug E-selectin / CD62E antibody (20894-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.