

# Thrombospondin 1 Monoclonal antibody, PBS Only

Catalog Number: 67241-1-PBS

## Basic Information

Catalog Number: 67241-1-PBS	GenBank Accession Number: NM_003246	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 7057	CloneNo.: 2A3E1
Source: Mouse	UNIPROT ID: P07996	
Isotype: IgG1	Full Name: thrombospondin 1	
Immunogen Catalog Number: AG29129	Calculated MW: 129 kDa	
	Observed MW: 160 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
Human, rat, mouse

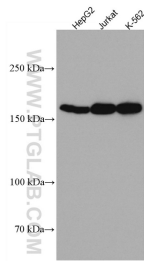
## Background Information

Thrombospondin 1 (TSP-1), an extracellular matrix protein, is the first identified natural angiogenesis inhibitor. A variety of normal cells, including endothelial cells, fibroblasts, adipocytes, smooth muscle cells, monocytes, macrophages, and transformed cells such as malignant glioma cells, secrete Thrombospondin 1. It regulates cellular phenotype during tissue genesis and repair. It acts as a molecular facilitator by bringing together cytokines, growth factors, matrix components, membrane receptors and extracellular proteases. Thrombospondin 1 binds to a wide variety of integrin and non-integrin cell surface receptors. It is also a major activator of transforming growth factor (TGF  $\beta$  1). Secreted TSP1 is a glycoprotein with a molecular mass of 150-180 kDa.

## Storage

Storage:  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
Storage Buffer:  
PBS Only

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67241-1-Ig (THBS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67241-1-PBS in a different storage buffer formulation.