

Anti-SPARC Antibody [OSTN/3758] (A277807)

Specifications:

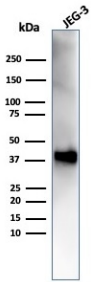
Name:	Anti-SPARC Antibody [OSTN/3758]
Description:	Mouse monoclonal [OSTN/3758] antibody to SPARC.
Specificity:	SPARC (for secreted protein acidic and rich in cysteine) is a phosphorylated, acidic, glycine-rich glycoprotein that is secreted by endothelial cells and is present in large amounts in the parietal endoderm of mouse embryos and in human placenta. It is identical to osteonectin, a protein important to bone calcification that is highly conserved between species. SPARC, which can be selectively expressed by the endothelium in response to certain types of injury, induces rounding in adherent endothelial cells in vitro. It regulates endothelial barrier function through F-Actin-dependent changes in cell shape, coincident with the appearance of intercellular gaps, which provide a paracellular pathway for extravasation of macromolecules.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 1-200, of human SPARC protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	OSTN/3758
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-SPARC Antibody [OSTN/3758] - BSA and Azide free (A278395).

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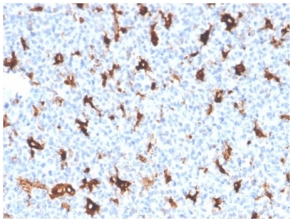
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

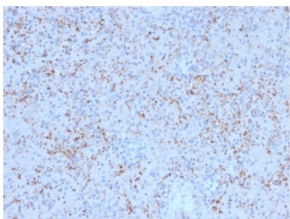
Images:



Western blot analysis of JEG-3 cell line lysate using Anti-SPARC Antibody [OSTN/3758].



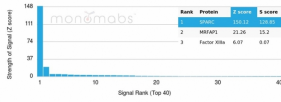
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue using Anti-SPARC Antibody [OSTN/3758].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human spleen tissue using Anti-SPARC Antibody [OSTN/3758].

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-SPARC Antibody [OSTN/3758]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.