

## Anti-SPARC Antibody [OSTN/3932] (A277803)

### Specifications:

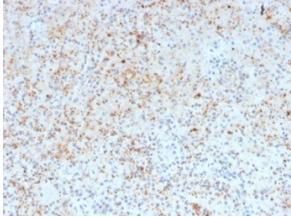
Name:	Anti-SPARC Antibody [OSTN/3932]
Description:	Mouse monoclonal [OSTN/3932] antibody to SPARC.
Specificity:	SPARC (for secreted protein acidic and rich in cysteine) is a phosphorylated, acidic, glycine-rich glycoprotein that is secreted by endothelial cells and is present in large amounts in the 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/3932
Isotype:	IgG2a
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/3932] - BSA and Azide free (A278391).

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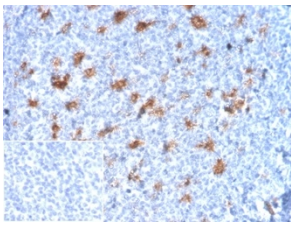
### Specifications continued:

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

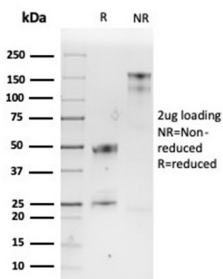
### Images:



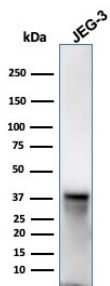
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human spleen tissue using Anti-SPARC Antibody [OSTN/3932].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue using Anti-SPARC Antibody [OSTN/3932]. Inset: PBS instead of the primary antibody. Secondary antibody negative control.



SDS-PAGE analysis of Anti-SPARC Antibody [OSTN/3932] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of JEG-3 cell line lysate using Anti-SPARC Antibody [OSTN/3932].