

# SPARC Monoclonal Antibody (ON1-1)

Product Details	
Size	100 µg
Species Reactivity	Bovine, Human, Pig, Rabbit
Published Species	Dog, Rat, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	ON1-1
Conjugate	Unconjugated
Immunogen	Full-length Bovine bone osteonectin (SPARC)
Form	Lyophilized
Concentration	2.0 mg/mL
Purification	Ion-exchange chromatography
Storage buffer	10mM PBS, pH 7.4, with 1% BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_2533126

Applications	Tested Dilution	Publications
Western Blot (WB)	5-10 µg/mL	3 Publications
Immunohistochemistry (IHC)	5-10 µg/mL	17 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	1 µg/mL	-
ELISA (ELISA)	Assay-dependent	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

**Source:** Monoclonal antibody was obtained by fusing the mouse myeloma cell-line P3-X63-Ag8-U1 with spleen cells of BALB/c mouse after immunization with bovine bone osteonectin (SPARC). The monoclonal antibody was harvested from ascitic fluid.

**Specificity:** This antibody reacts with both bone derived and platelet derived Osteonectin (ELISA). This antibody does not react with non-activated platelet and reacts with thrombin-stimulated platelet (flow cytometric analysis). This antibody reacts with human and bovine Osteonectin (Western blot analysis). This antibody cross reacts with rabbit and porcine Osteonectin. (ELISA)

**Storage:** 4°C. This product does not contain preservative. The stock solution (2.0 mg/mL) should be stored in aliquots at -20°C for 1 year, or should be stored at 4°C for 6 months after adding 0.1% sodium azide. Avoid repeated freeze-thaw cycles.

**Reconstitution:** Dissolve the lyophilized antibody in 50 µL of distilled water (final concentration: 2.0 mg/mL). This solution can be

used as a stock solution. If dilution is necessary for your application, dilute the stock solution with the following Dilution solution just prior to use. When the entire amount of antibody is to be used over a short time period, it may be dissolved directly in 500  $\mu$ L or more of the Dilution solution. Be sure to store the antibody at a minimum concentration of 2.0 mg/mL. A lower antibody concentration may result in decreased stability. Reconstituted antibody solution should contain 0.1% sodium azide as a preservative when stored at 4°C.

## 28 References

### Western Blot (3)

Asian journal of andrology

#### Secreted protein acidic and rich in cysteine (SPARC) induces epithelial-mesenchymal transition, enhancing migration and invasion, and is associated with high Gleason score in prostate cancer.

"33-5500 was used in Immunohistochemistry to show that secreted protein acidic and rich in cysteine (SPARC) is highly expressed in PCa tissues with a higher Gleason score."

Authors: López-Moncada F, Torres MJ, Castellón EA, Contreras HR

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

BMC cancer

#### Diagnostic role of circulating extracellular matrix-related proteins in non-small cell lung cancer.

"33-5500 was used in Western Blotting to study the effects of COL11A1, COL10A1 and SPARC proteins in plasma samples of lung cancer patients and in healthy heavy-smokers controls and test whether such measurements have diagnostic or prognostic value."

Authors: Andriani F, Landoni E, Mensah M, Facchinetti F, Miceli R, Tagliabue E, Giussani M, Callari M, De Cecco L, Colombo MP, Roz L, Pastorino U, Sozzi G

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2018

[View more WB references on thermofisher.com](#)

### Immunohistochemistry (17)

Cancers

#### Expression of Extracellular Matrix-Related Genes and Their Regulatory microRNAs in Problematic Colorectal Polyps.

"33-5500 was used in Immunohistochemistry to analyse the expression of selected extracellular matrix (ECM)-related genes and proteins, and their regulatory microRNAs using RT-qPCR and immunohistochemistry in biopsies from 44 patients."

Authors: Žlajpah M, Boštjani E, Tepeš B, Zidar N

**Species**  
Human  
Not Applicable

**Dilution**  
1:400  
Not Cited

**Year**  
2020

Asian journal of andrology

#### Secreted protein acidic and rich in cysteine (SPARC) induces epithelial-mesenchymal transition, enhancing migration and invasion, and is associated with high Gleason score in prostate cancer.

"33-5500 was used in Immunohistochemistry to show that secreted protein acidic and rich in cysteine (SPARC) is highly expressed in PCa tissues with a higher Gleason score."

Authors: López-Moncada F, Torres MJ, Castellón EA, Contreras HR

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

[View more IHC references on thermofisher.com](#)

### More applications with references on thermofisher.com

IHC (P) (3)

ICC/IF (2)

ELISA (2)

Misc (1)

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