



20150217ML

**Anti-Human SPARC (#8N38)****FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M640</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with the recombinant human SPARC, also called Osteonectin.

**Target Background**

<b>Synonyms (Target):</b>	SPARC; ON
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SPARC, also known as Osteonectin and Basement Membrane protein BM-40, is a phosphorylated glycoprotein with calcium-binding domains. It is secreted by endothelial cells and is present in large amounts in the parietal endoderm of mouse embryos and in human placenta. SPARC may be involved in cell proliferation, repair of tissue damage, and morphogenic processes such as re-modeling of the extracellular matrix.

**Database References Target**

<b>Protein RefSeq:</b>	NP_003109.1
<b>Uniprot ID:</b>	P09486
<b>mRNA RefSeq:</b>	NM_003118.3

**Product Specifications**

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#8N38)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human SPARC
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human SPARC.

**AVOID REPEATED FREEZE AND THAW CYCLES!****Applications**

The antibody can be used within the following applications:

WB, IHC (P)

**Recommended usage:**

IHC (paraffine): 1:20 - 1:200

WB: Use at 1:500-1000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**