



20170317BB

# Anti-Human Stabilin-1(#19J29)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M742</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 recombinant human Stabilin-1.

## Target Background

<b>Synonyms (Target):</b>	FEEL1, KIAA0246, MS-1 antigen, Fasciclin
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Stabilin-1 was originally identified as the MS-1 antigen. It is also known as FEEL-1 (Fasciclin, EGF-like, laminin type EGF-like) and CLEVER-1 (common lymphatic endothelial and vascular endothelial receptor 1). It is a type I transmembrane multi-domain protein with a large extracellular domain that contains 7 fasciclin, multiple EGF-like and laminin type EGF-like, and a link domain. The short cytoplasmic tail interacts with CGAs which are cargo adaptors that link cargo into the clathrin-coated pits. Stabilin-1 is expressed by tissue macrophages and sinusoidal endothelial cells, which are scavenging cells. Stabilin-1 is involved in intracellular trafficking pathways and binds multiple ligands including acetylated LDL, SPARC, AGE, and SI-CLP. By alternative splicing, a soluble Stabilin-1 containing a 58 residue substitution between amino acid residues 746 and 803, followed by truncation, has been identified. Within the region used as immunogen, human Stabilin-1 shares 83% and 84% amino acid sequence homology with mouse and canine Stabilin-1, respectively.

## Database References Target

<b>Protein RefSeq:</b>	NP_055951.2
<b>Uniprot ID:</b>	Q9NY15
<b>mRNA RefSeq:</b>	NM_015136.2

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#19J29)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human Stabilin-1
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 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 recognizes human Stabilin-1 in direct ELISAs.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

IHC

**Recommended usage:**

IHC: 1:50 - 1:200

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