

**DESCRIPTION**

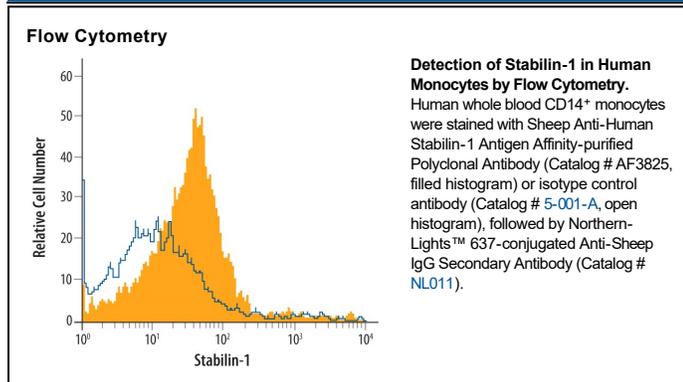
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Stabilin-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human Stabilin-2 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Stabilin-1 Gly2208-Val2305 (Val2282Ile) Accession # Q9NY15
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human Stabilin-1
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Stabilin-1, also known as FEEL-1 (fasciclin, EGF-like, laminin type EGF-like, and link domain containing scavenger receptor 1) and CLEVER-1 (common lymphatic endothelial and vascular endothelial receptor 1), was originally identified as the MS-1 antigen. 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.