

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Stabilin-1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 840449
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Stabilin-1 Gly2208-Val2305 Accession # Q9NY15
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide

*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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 domains, multiple EGF-like and laminin type EGF-like domains, and a link domain. The short cytoplasmic tail interacts with cargo adaptors that link cargo into the clathrin-coated pits (CGAs). 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. An alternatively spliced, soluble, 803 amino acid (aa) Stabilin-1 that diverges after aa 746 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.

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