

## Anti-SCARA5 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A09571-2-Fluoro550

### About SCARA5

Scavenger receptor A5 (SCARA5) is also known as testis expressed scavenger receptor (Tesr). Class A scavenger receptors, including CL-P1, MARCO, SCARA3, and SR-A1, are type II transmembrane proteins that contain a collagenous stalk. Mature human SCARA5 consists of a 60 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 414 aa extracellular domain (ECD) with a spacer, a collagen-like, and a scavenger receptor cysteine-rich (SRCR) domain. Within the ECD, human SCARA5 shares 87% aa sequence identity with mouse and rat SCARA5. It shares 23%?34% aa sequence identity with CL-P1, MARCO, SCARA3, and SR-A1. Alternate splicing generates isoforms that lack the SRCR domain, the transmembrane segment, or the 225 aa spacer region between the membrane and the collagen-like domain. SCARA5 is a cell surface disulfide-linked homotrimer of > 250 kDa. It is highly expressed in testicular Sertoli and germ cells and more weakly in the epithelia of other tissues. During mouse development, SCARA5 expression is attenuated in female embryos at the time of sex determination, whereas it is maintained in the developing testis. SCARA5 is re-expressed in the adult ovary. SCARA5 binds heat-killed bacterial particles but not yeast particles or modified LDL.

### Overview

Product Name	Anti-SCARA5 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q6ZMJ2

### Technical Details

Immunogen	E.coli-derived human SCARA5 recombinant protein (Position: K31-R288). Human SCARA5 shares 89.9% amino acid (aa) sequence identity with mouse SCARA5.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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