

## Anti-MANSC1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A15720-2-Fluoro647

### About MANSC1

MANSC1 (MANSC domain-containing protein 1), also known as LOH12CR3 (Loss of heterozygosity 12 chromosomal region 3 protein), is a 414 amino acid single-pass membrane protein. Expressed throughout the body, MANSC1 contains one MANSC domain and is encoded by a gene that is located on chromosome 12. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-MANSC1 Antibody Picoband® Fluoro647 Conjugated   |
| Reactive Species     | Human   |
| 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% Na2HPO4, 0.02% NaN3.   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | Q9H8J5  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human MANSC1 recombinant protein (Position: L21-N337).     |
| Cross Reactivity | No cross-reactivity with other proteins.                                  |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 665 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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