

## Anti-SSEA1 Antibody (5K808)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5K808
Purification:	Protein A

## Applications

Verified Activity:	Immunochemical staining of human SSEA1 in human kidney with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:30-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	E. coli-derived Human SSEA1 / FUT4 fragment
Antigen Species:	Human
Synonyms:	CD15;FCT3A;SSEA-1;ELFT;FUTIV;LeX;FUC-TIV
Biology Area:	Cardiac Stem Cell Markers

## Research Background

Fucosyltransferase IV (FUT4) is the key enzyme for the biosynthesis of alpha1,3-fucosylated glycans carried by glycoproteins, and the previous studies showed FUT4 expression changed dynamically during perimplantation. miR-200c and FUT4 may be applied together as the potential markers for endometrial receptivity, and useful diagnostic and therapeutic targets for infertility. Increased expression of fucosyltransferase4 (FUT4) has been reported to be associated with the invasive and metastatic properties of colorectal cancer (CRC). Fucosyltransferase IV (FUT4) is associated with the proliferation and metastasis of breast cancer, FUT4 can serve as a novel biomarker in the diagnosis and prognosis of breast cancer. FUT4 is an essential enzyme that catalyzes the synthesis of Lewis Y (LeY) oligosaccharides.

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