

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fucosyltransferase 3/5 (FUT3/5) in Western blots. The amino acid sequences of recombinant human FUT3 and recombinant human FUT5 are 91% identical.
Source	Monoclonal Mouse IgG ₁ Clone # 425037
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Fucosyltransferase 3 Arg35-Thr361 Accession # P21217
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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

Fucosyltransferase 3 (FUT3), also known as galactoside 3(4)-L-fucosyltransferase or blood group Lewis α-4-fucosyltransferase (Lewis FT), is type II membrane protein with a cytoplasmic tail (aa 1 to 15), a transmembrane region (aa 16 to 34) and an ectodomain (aa 35 to 361). The amino acid sequence of human FUT3 is 99% and 52% identical to that of chimpanzee and chicken.

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