

## Product datasheet for **TA505004**

### POFUT2 Mouse Monoclonal Antibody [Clone ID: OTI5H1]

#### Product data:

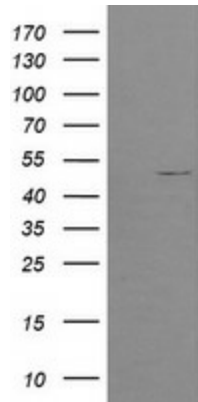
Product Type:	Primary Antibodies
Clone Name:	OTI5H1
Applications:	FC, WB
Recommended Dilution:	WB 1:1000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human POFUT2(NP_598368) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49.8 kDa
Gene Name:	protein O-fucosyltransferase 2
Database Link:	<a href="#">NP_598368</a> <a href="#">Entrez Gene 80294 Mouse</a> <a href="#">Entrez Gene 309686 Rat</a> <a href="#">Entrez Gene 23275 Human</a> <a href="#">Q9Y2G5</a>
Background:	Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]). [supplied by OMIM, Mar 2008]



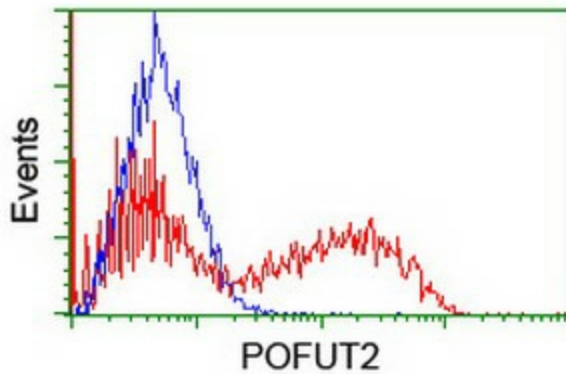
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Synonyms: C21orf80; FUT13

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY POFUT2 (Cat# [RC209505], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-POFUT2 (Cat# TA505004). Positive lysates [LY408775] (100ug) and [LC408775] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC209505] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-POFUT2 antibody (TA505004), and then analyzed by flow cytometry.