ARG42486
anti-CD15 antibody [FUT4/1478R]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [FUT4/1478R] recognizes CD15
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	FUT4/1478R
Isotype	IgG, kappa
Target Name	CD15
Species	Human
Immunogen	Purified Human neutrophils.
Conjugation	Un-conjugated
Alternate Names	LeX; CD15; ELFT; FCT3A; FUTIV; SSEA-1; FUC-TIV; Alpha-(1,3)-fucosyltransferase 4; EC 2.4.1.-; ELAM-1 ligand fucosyltransferase; Fucosyltransferase 4; Fucosyltransferase IV; Fuc-TIV; FucT-IV; Galactoside 3-L-fucosyltransferase

Application Instructions

Application table

Application	Dilution
FACS	0.5 - 1 µg/10^6 cells
ICC/IF	1 - 2 µg/ml
IHC-P	0.5 - 1 µg/ml

Application Note: IHC-P: Antigen Retrieval: Steam tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

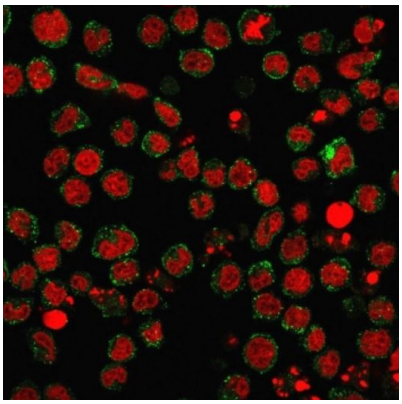
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

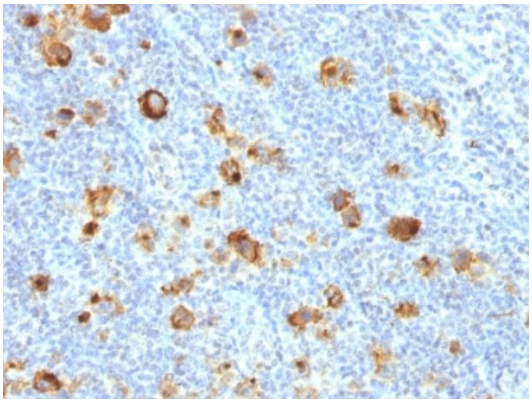
Gene Symbol	FUT4
Gene Full Name	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
Background	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009]
Function	May catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens. [UniProt]
Calculated Mw	59 kDa
Cellular Localization	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Note=Membrane-bound form in trans cisternae of Golgi. [UniProt]

Images



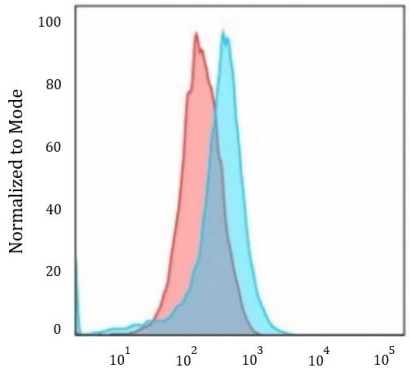
ARG42486 anti-CD15 antibody [FUT4/1478R] ICC/IF image

Immunofluorescence: U937 cells stained with ARG42486 anti-CD15 antibody [FUT4/1478R] (green) and Reddot (red) for nuclear staining.



ARG42486 anti-CD15 antibody [FUT4/1478R] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human Hodgkin's lymphoma tissue. Antigen Retrieval: Steam tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min. The tissue section was stained with ARG42486 anti-CD15 antibody [FUT4/1478R].



ARG42486 anti-CD15 antibody [FUT4/1478R] FACS image

Flow Cytometry: U937 cells stained with ARG42486 anti-CD15 antibody [FUT4/1478R] (blue) and isotype control (red).