

ARG42488 anti-CD15 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CD15
Tested Reactivity	Hu, Rat
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Target Name	CD15
Species	Human
Immunogen	Synthetic peptide of Human CD15.
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	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:50 - 1:200</td></tr></tbody></table>	Application	Dilution	IHC-P	1:50 - 1:200
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IHC-P	1:50 - 1:200				
Application Note	IHC-P: Antigen Retrieval: 1) Heat mediated Sodium citrate buffer (pH 6.0) for 20 min, or 2) EDTA buffer (pH 8.0) at high pressure and temperature. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

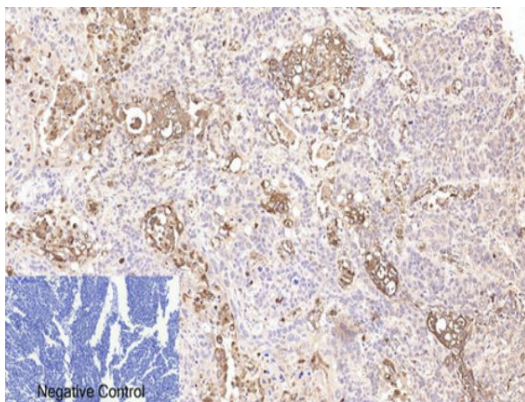
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
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. 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

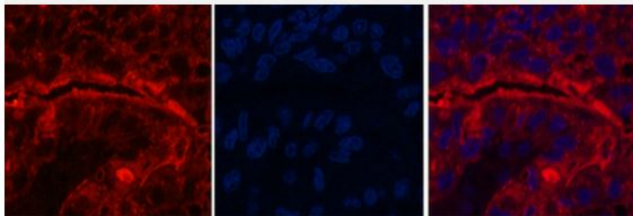
Gene Symbol	FUT4
Gene Full Name	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
Background	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, 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



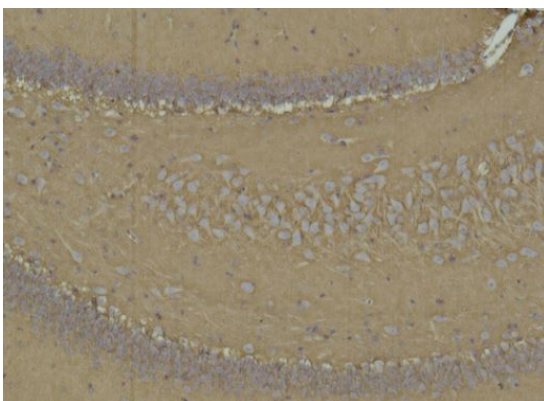
ARG42488 anti-CD15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediated Sodium citrate buffer (pH 6.0) for 20 min. The tissue section was stained with ARG42488 anti-CD15 antibody at 1:200 dilution, overnight at 4°C. Negative control was used by secondary antibody only.



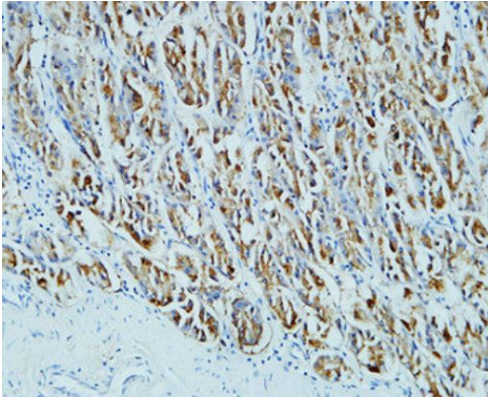
ARG42488 anti-CD15 antibody IHC image

Immunofluorescence: Human liver cancer tissue stained with ARG42488 anti-CD15 antibody (red) at 1:200 dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



ARG42488 anti-CD15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG42488 anti-CD15 antibody at 1:500 dilution.



ARG42488 anti-CD15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach tissue.
Antigen Retrieval: EDTA buffer (pH 8.0) at high pressure and temperature. The tissue section was stained with ARG42488 anti-CD15 antibody at 1:200 dilution, overnight at 4°C.