# **Product Datasheet**

## LC3A Antibody [Janelia Fluor® 635] NBP1-19167JF635

Unit Size: 0.1 ml

Store at 4C in the dark.

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### NBP1-19167JF635

LC3A Antibody [Janelia Fluor® 635]

Unit Size   0.1 ml     Concentration   Please see the vial label for concentration. If unlisted please contact technical services.     Storage   Store at 4C in the dark.     Clonality   Polyclonal     Preservative   0.05% Sodium Azide     Isotype   IgG     Conjugate   Janelia Fluor 635     Purity   Immunogen affinity purified     Buffer   50mM Sodium Borate     Product Description   Rabbit     Gene ID   84557     Gene Symbol   MAP1LC3A     Species   Human, Mouse, Rat, Bovine, Zebrafish     Marker   Autophagosome Marker     Specificity/Sensitivity   Although specificity between this LC3A Antibody and LC3B has not been tested, tris antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.     Immunogen   Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details   Vestern Blot, Simple Western, Flow Cytometry, Immunohistochemistry/Immunohistochemistry-Parafinin munnohistochemistry-Parafinin munnohistochemistry-Parafinin munnohistochemistry-Parafinin munnohistochemistry-Parafinin	Product Information	
services.   Storage Store at 4C in the dark.   Clonality Polyclonal   Preservative 0.05% Sodium Azide   Isotype IgG   Conjugate Janelia Fluor 635   Purity Immunogen affinity purified   Buffer 50mM Sodium Borate   Product Description Kabbit   Host Rabbit   Gene ID 84557   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry/Immunohistochemistry/Immunohistochemistry/Immunohistochemistry/Immunohistochemistry/Frozen, Immunohistochemistry/Immunohistochemistry.   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry,	Unit Size	0.1 ml
Clonality   Polyclonal     Preservative   0.05% Sodium Azide     Isotype   IgG     Conjugate   Janelia Fluor 635     Purity   Immunogen affinity purified     Buffer   50mM Sodium Borate     Product Description   Rabbit     Gene ID   84557     Gene Symbol   MAP1LC3A     Species   Human, Mouse, Rat, Bovine, Zebrafish     Marker   Autophagosome Marker     Specificity/Sensitivity   Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.     Immunogen   Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research campus.     Product Application Details   Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofiluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin,	Concentration	•
Preservative   0.05% Sodium Azide     Isotype   IgG     Conjugate   Janelia Fluor 635     Purity   Immunogen affinity purified     Buffer   50mM Sodium Borate     Product Description   Immunogen affinity purified     Host   Rabbit     Gene ID   84557     Gene Symbol   MAP1LC3A     Species   Human, Mouse, Rat, Bovine, Zebrafish     Marker   Autophagosome Marker     Specificity/Sensitivity   Atthough specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3A.     Immunogen   Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9IH492].     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research campus.     Product Application Details   Vestern Blot, Simple Western, Flow Cytometry, Immunohytochemistry/Immunofuorescence, Immunohistochemistry.Frozen, Immunohistochemistry.Paraffin     Recommended Dilutions   Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry.Paraffin,	Storage	Store at 4C in the dark.
Isotype IgG   Conjugate Janelia Fluor 635   Purity Immunogen affinity purified   Buffer 50mM Sodium Borate   Product Description Eabbit   Host Rabbit   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry, Paraffin, Immunohistochemistry, I	Clonality	Polyclonal
Conjugate Janelia Fluor 635   Purity Immunogen affinity purified   Buffer 50mM Sodium Borate   Product Description Rabbit   Host Rabbit   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry, Paraffin, Immunohistochemistry, Immunohistochemistry, Paraffin, Immunohi	Preservative	0.05% Sodium Azide
Purity Immunogen affinity purified   Buffer 50mM Sodium Borate   Product Description Rabbit   Host Rabbit   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a petide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry.	Isotype	IgG
Buffer 50mM Sodium Borate   Product Description Rabbit   Host Rabbit   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry/Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin,   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Paraffin,	Conjugate	Janelia Fluor 635
Product Description Rabbit   Host Rabbit   Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry/ Immunohistochemistry-Prozen, Immunohistochemistry-Paraffin   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohi	Purity	Immunogen affinity purified
HostRabbitGene ID84557Gene SymbolMAP1LC3ASpeciesHuman, Mouse, Rat, Bovine, ZebrafishMarkerAutophagosome MarkerSpecificity/SensitivityAlthough specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.ImmunogenPartial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].NotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/Immunofluorescence, Immunohistochemistry, Immunofluorescence, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry/Paraffin	Buffer	50mM Sodium Borate
Gene ID 84557   Gene Symbol MAP1LC3A   Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry.	Product Description	
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Species Human, Mouse, Rat, Bovine, Zebrafish   Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry.	Gene ID	84557
Marker Autophagosome Marker   Specificity/Sensitivity Although specificity between this LC3A Antibody and LC3B has not been tested, this antibody was created to a peptide that has 100% identity to LC3A and 62% identity to LC3B.   Immunogen Partial recombinant protein made to an N-terminal portion of the human LC3A protein [Swiss-Prot# Q9H492].   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry/Immunohistochemistry-Paraffin   Recommended Dilutions Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/Immunohistochemistry/Immunohistochemistry, Immunohistochemistry, Immunohi	Gene Symbol	MAP1LC3A
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protein [Swiss-Prot# Q9H492].NotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsApplicationsWestern Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/Immunohistochemistry, Immunohistochemistry, Immunohistochemistry/Paraffin,	Specificity/Sensitivity	this antibody was created to a peptide that has 100% identity to LC3A and 62%
Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsApplicationsWestern Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Paraffin,	Immunogen	
ApplicationsWestern Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Paraffin,	Notes	
Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin     Recommended Dilutions   Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin,	Product Application Details	
Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin,	Applications	Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen,
Immunohistochemistry-Frozen	Recommended Dilutions	
Application NotesOptimal dilution of this antibody should be experimentally determined.	Application Notes	Optimal dilution of this antibody should be experimentally determined.

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### **General Contact Information**

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#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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