Product Datasheet

Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed)
NBP1-75617

Unit Size: 1 mg

Store lyophilized antibody at 4C. Mix reconstituted liquid with an equal volume of glycerol, aliquot contents and freeze at -20C or below for long term storage.

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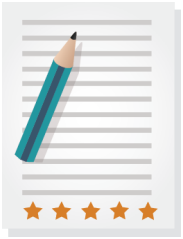
Updated 10/30/2024 v.20.1



NBP1-75617

Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed)

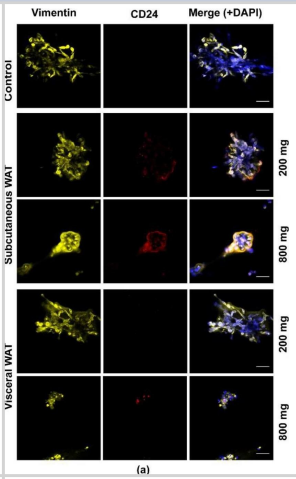
Product Information	
Unit Size	1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Mix reconstituted liquid with an equal volume of glycerol, aliquot contents and freeze at -20C or below for long term storage.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Reconstitution Instructions	Rehydrate with 1.1 ml of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily.
Isotype	IgG
Conjugate	DyLight 594
Purity	Affinity purified
Buffer	10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free

Product Description	
Description	Affinity purified antibody is > 95% based on SDS-PAGE. Donkey serum was obtained from healthy animals of US origin and under the care of a registered veterinarian. DyLight 594 (Ex = 593 nm; Em = 618 nm). After reconstituted, prepare fresh working dilution daily Product is stable for up to 4 weeks at 2-8C after rehydration. For extended storage after rehydration, add an equal volume of glycerol and store at -20C.
Host	Donkey
Species	Mouse
Reactivity Notes	Based on IEP, no reactivity is observed to non-immunoglobulin mouse serum immunoglobulins and IgG from bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat, or sheep
Specificity/Sensitivity	Based on IEP, this Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed) heavy gamma chains on mouse IgG and light chains on all mouse immunoglobulins. This antibody has been pre-adsorbed against bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat or sheep IgG
Immunogen	This Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed) was developed against purified mouse IgG (H&L).
Notes	 DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

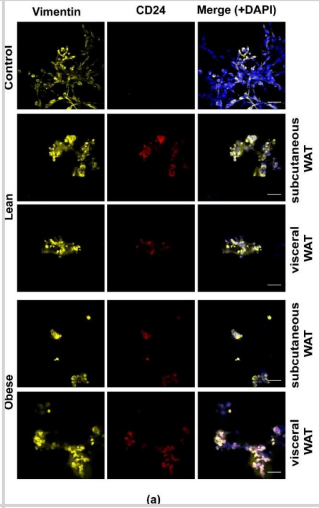
Product Application Details	
Applications	Flow Cytometry, Immunomicroscopy
Recommended Dilutions	Flow Cytometry 1:20 - 1:2000, Immunomicroscopy 1:20 - 1:2000
Application Notes	This conjugate is suitable for immunomicroscopy and flow cytometry.

Images

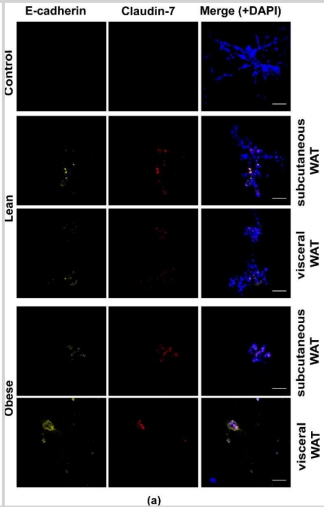
Immunocytochemistry/ Immunofluorescence: Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed) [NBP1-75617] - Effect of varied WAT masses from obese mice on vimentin & CD24 protein expression in MDA-MB-231 cells. (a) Representative images of MDA-MB-231 cells cultured with or without 200 mg or 800 mg of obese subcutaneous or visceral WAT-CM & co-stained with anti-vimentin, anti-CD24, & DAPI; scale bar = 100 µm. (b) & (c) are the relative expression of the respective markers, mean ± SEM (n = 6 biological replicates). The average protein expression from five images per replicate were normalized to DAPI & analyzed relative to the control cultures. No groups were found to be significantly different by the Friedman test. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/32899433), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunocytochemistry/ Immunofluorescence: Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed) [NBP1-75617] - Mouse WAT-CM induces the expression of CD24 in mesenchymal MDA-MB-231 cells but does not affect the expression of vimentin. Representative images of MDA-MB-231 cells cultured with or without lean or obese subcutaneous or visceral WAT-CM & co-stained for vimentin, CD24, & DAPI (a); scale bar = 100 µM. (b) & (c) are the relative expression of the respective markers, mean ± SEM (n = 6 biological replicates). The average protein expression from five images per replicate were normalized to DAPI & analyzed relative to the control cultures. Significance was determined by Friedman's test. If significant, Dunn's test was used for further pairwise comparison; * $p < 0.05$. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/32899433), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunocytochemistry/ Immunofluorescence: Donkey anti-Mouse IgG (H+L) Secondary Antibody [DyLight 594] (Pre-adsorbed) [NBP1-75617] - Mouse WAT-CM induces the expression of epithelial biomarkers in mesenchymal triple negative breast cancer cell line grown in a 3D culture. (a) Representative images of MDA-MB-231 cells cultured with or without lean or obese subcutaneous or visceral WAT-CM & co-stained for E-cadherin, claudin-7, & DAPI; scale bar = 100 µm. (b) & (c) are the relative expression of the respective markers, mean ± SEM (n = 6 biological replicates). The average protein expression from five images per replicate were normalized to DAPI & analyzed relative to the control cultures. Significance was determined by the Friedman test. If significant, Dunn's test was used for further pairwise comparison; * $p < 0.05$. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/32899433), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Asante, E C, Pallegar, N K Et al. Adipose Tissue from Lean and Obese Mice Induces a Mesenchymal to Epithelial Transition-Like Effect in Triple Negative Breast Cancers Cells Grown in 3-Dimensional Culture. Int J Mol Sci 2020-09-03 [PMID: 32899433]

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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