

Product Datasheet

5'-Nucleotidase/CD73 Antibody (4G4) - Azide Free NBP1-60135-0.05mg

Unit Size: 0.05 mg

Store at 4C.

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NBP1-60135-0.05mg

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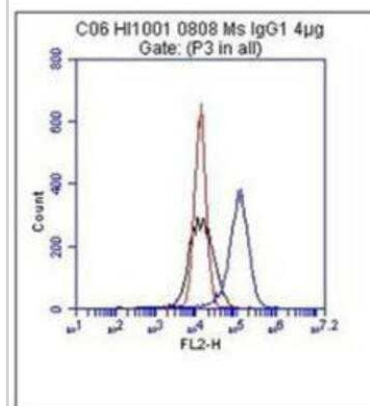
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	4G4
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	0.2 um filtered solution in PBS and 0.1% BSA

Product Description	
Description	Positive Control: HUVEC and fresh lymphocytes Negative control: COS cells
Host	Mouse
Gene ID	4907
Gene Symbol	NT5E
Species	Human
Immunogen	Inflamed synovial stroma from rheumatoid arthritis patients

Product Application Details	
Applications	Western Blot, Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:50, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:50, Functional
Application Notes	This antibody works in Flow Cytometry, Functional, Immunofluorescence, Immunohistochemistry-Frozen, Immunoprecipitation, Western Blot. The typical starting working dilution is 1:50. For functional studies, in vitro dilutions have to be optimized in user's experimental setting.

Images

Flow Cytometry: 5'-Nucleotidase/CD73 Antibody (4G4) [NBP1-60135] - Flow cytometric detection of human CD73 on Huvec (mAb 4G4, Cat.# NBP1-60135). Black, red and blue line represents cells only, isotype control and 4G4 (4 ug/ml, respectively).



Publications

Chisci E, De Giorgi M, Zanfrini E et al. Simultaneous overexpression of human E5NT and ENTPD1 protects porcine endothelial cells against H₂O₂-induced oxidative stress and cytotoxicity in vitro. *Free Radical Biology and Medicine*. 2017-04-05 [PMID: 28389406] (ICC/IF, Human)

Cinti A, De Giorgi M, Chisci E et al. Simultaneous Overexpression of Functional Human HO-1, E5NT and ENTPD1 Protects Murine Fibroblasts against TNF-alpha-Induced Injury In Vitro. *PLoS One* 2015-01-01 [PMID: 26513260] (ICC/IF, Human)

De Giorgi M, Cinti A, Pelikant-Malecka I et al. Co-expression of functional human Heme Oxygenase 1, Ecto-5'-Nucleotidase and ecto-nucleoside triphosphate diphosphohydrolase-1 by self-cleaving 2A peptide system. *Plasmid*. 2015-03-14 [PMID: 25779031] (ICC/IF, Human)

Cavalcanti BN. Pulp biology: aggression repair. Thesis. 2014-01-01 (WB, Human)

Details:

5'-Nucleotidase/CD73 antibody used for WB on lysates of unselected pulp cell populations (uDPC) and selected dental pulp stem cells (sDPC) isolated from a single extracted third molar of human patient (Figure 2B)

Niemela J, Henttinen T, Yegutkin GG, Airas L, Kujari AM, Rajala P, Jalkanen S. IFN-alpha induced adenosine production on the endothelium: a mechanism mediated by CD73 (ecto-5'-nucleotidase) up-regulation. *J Immunol*;172(3):1646-53. 2004-02-01 [PMID: 14734746]

Airas L, Hellman J, Salmi M, Bono P, Puurunen T, Smith DJ, Jalkanen S. CD73 is involved in lymphocyte binding to the endothelium: characterization of lymphocyte-vascular adhesion protein 2 identifies it as CD73. *J Exp Med*;182(5):1603-8. 1995-11-01 [PMID: 7595232]

Airas L, Niemela J, Jalkanen S. CD73 engagement promotes lymphocyte binding to endothelial cells via a lymphocyte function-associated antigen-1-dependent mechanism. *J Immunol*;165(10):5411-7. 2000-11-15 [PMID: 11067892]

Airas L, Niemela J, Salmi M, Puurunen T, Smith DJ, Jalkanen S. Differential regulation and function of CD73, a glycosyl-phosphatidylinositol-linked 70-kD adhesion molecule, on lymphocytes and endothelial cells. *J Cell Biol*;136(2):421-31. 1997-01-27 [PMID: 9015312]

Airas L, Salmi M, Jalkanen S. Lymphocyte-vascular adhesion protein-2 is a novel 70-kDa molecule involved in lymphocyte adhesion to vascular endothelium. *J Immunol*;151(8):4228-38. 1993-10-15 [PMID: 8409398]





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

Products Related to NBP1-60135-0.05mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51548-0.05mg	Recombinant Human 5'-Nucleotidase/CD73 His Protein

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.

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