

Product Datasheet

MyD88 Inhibitor Peptide Set

NBP2-31226-1mg

Unit Size: 1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-31226-1mg**MyD88 Inhibitor Peptide Set**

Product Information	
Unit Size	1 mg
Concentration	Lyoph
Storage	Store at -20C. Avoid freeze-thaw cycles.
Reconstitution Instructions	Please contact technical support for detailed reconstitution instructions.
Buffer	Lyophilized white powder
Product Description	
Gene ID	4615
Gene Symbol	MYD88
Species	Human, Mouse, Rat, Xenopus, Zebrafish
Reactivity Notes	Human, Mouse, Rat, Zebrafish and Xenopus.
Immunogen	DRQIKIWFQNRRMKWKKRDVLPGT (MyD88 homodimerization sequence: RDVLPGT).
Preparation Method	<p>Preparation of 5 mM Stock Solutions PBS* is added directly to the vials to prepare the stock solutions. Note: Bring the solution to room temperature and quick spin the tubes before opening the caps. MyD88 Homodimerization Inhibitor Peptide: 1 mg of DRQIKIWFQNRRMKWKKRDVLPGT Add 64.4 ul of PBS* to the vial to make a 5 mM stock solution. Mix by vortexing. Aliquot and store at -20C or -80C. Avoid repeated freeze thawing.</p> <p>Control Peptide: 1 mg of DRQIKIWFQNRRMKWKK Add 84.8 ul PBS* to the vial. Mix by vortexing. Aliquot and store at -20C or -80C. Avoid repeated freeze thawing *Recipe for 1X PBS: 1. Dissolve the following in 800ml distilled H2O. - 8g of NaCl - 0.2g of KCl - 1.44g of Na2HPO4 - 0.24g of KH2PO4 2. Adjust pH to 7.5 with HCl. 3. Adjust volume to 1L with additional distilled H2O. 4. Sterilize by autoclaving</p>
Notes	Functions as a decoy by binding to the MyD88 TIR domain.
Inhibitor Target	MyD88
Inhibitor Content	The MyD88 Homodimerization Inhibitor peptide: 2 x 1 mg (lyophilized) DRQIKIWFQNRRMKWKKRDVLPGT (MyD88 homodimerization sequence: RDVLPGT). Molecular weight: 3100
Product Application Details	
Applications	Functional (Inhibition)
Recommended Dilutions	Functional (Inhibition)

Application Notes	<p>Inhibition of MyD88 dependent TLR/IL-1R signaling activity by interfering with MyD88 homodimer formation.</p> <p>Inhibitory peptide at 100 uM concentration may be a starting point. However, useful concentration of peptide may vary depending on experimental condition and cell type. Incubate cells for 24 hr with peptides before stimulating with ligands. Use in Functional inhibition reported in multiple pieces of scientific literature</p>
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Procedures

Material Safety Datasheet (NBP2-31226)

Hazard Information

Chemical Name: Non hazardous products

Chemical Formula: N/A

CAS Number: N/A

EEC-No: N/A

Hazard Identification

None

First Aid Measures

Eye Contact: None

Skin Contact: None

Inhalation: None

Ingestion: None

Accidental Release Measures

This product either does not contain hazardous constituents or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC. 88/379/EEC, and 67/546/EEC.

Handling and Storage

Exposure Controls / Personal Protection

Other Precautions: None

Physical and Chemical Properties

Form: N/A

Color: N/A

Odor: N/A

Melting Point: N/A

Boiling Temperature: N/A

Density: N/A

Vapor Pressure: N/A

Solubility in Water: N/A

Flash Point: N/A

Explosion limits: N/A

Ignition Temperature: N/A





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

Limitations

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

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