Product Datasheet

Human Lineage Marker/HLA-DR Antibody Pack
NBP2-29608

Unit Size: 1 Kit

Store at 4C in the dark.

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Publications: 2

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NBP2-29608

Human Lineage Marker/HLA-DR Antibody Pack

Product Information

Unit Size	1 Kit
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Preservative	0.05% Sodium Azide
Buffer	Tris or phosphate buffered saline with 0.05% BSA

Product Description

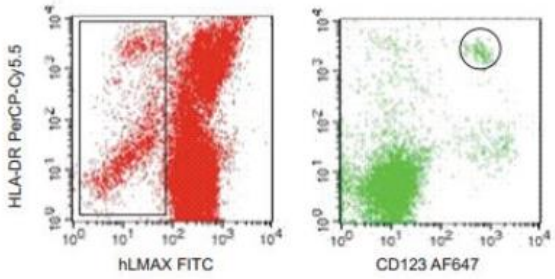
Species	Human
Species Reactivity	Human reactivity reported in scientific literature (PMID: 24081865)
Specificity/Sensitivity	This kit can also be used for the analysis of Myeloid Dendritic Cells.
Kit Components	CD3 FITC Mouse IgG2a, CD14 FITC Mouse IgG1, CD16 FITC Mouse IgG1, CD19 FITC Mouse IgG1, CD20 FITC Mouse IgG2b, CD56 FITC Mouse IgG1, HLA-DR PerCP-Cy5.5 Mouse IgG2a

Product Application Details

Applications	Flow Cytometry, Flow (Cell Surface)
Recommended Dilutions	Flow (Cell Surface), Flow Cytometry
Application Notes	Human LMAX (hLMAX) contains FITC-conjugated antibodies that, when added with HLA-DR as an additional marker, can be used to identify, enrich and/or deplete T, B, NK, and precursor myeloid cells (such as monocytes). The reagent can be used at 10 ul per one million cells in 100 ul total staining volume (or 100 ul whole blood). Red blood cell lysis buffer is recommended for lysing RBCs. Human FITC Lineage Markers and PerCP-Cy5.5 HLA-DR monoclonal antibody mix has been validated in flow cytometric analysis of Plasmacytoid Dendritic Cells from: whole peripheral blood within 24h of collection fresh collected PBMCs frozen PBMCs Use in Flow cell surface reported in scientific literature (PMID 24081865)

Images

Flow Cytometry: Human Lineage Marker/HLA-DR Antibody Pack [NBP2-29608] - Plasmacytoid dendritic cells from human PBMCs were identified using hLMAX, by staining along with HLA-DR and CD123 antibodies, not included in hLMAX). Cell surface flow kit was used for this test.



Publications

Takechi H, Oda T, Hotta O et al. Clinical and immunological implications of increase in CD208+ dendritic cells in tonsils of patients with immunoglobulin A nephropathy. Nephrol Dial Transplant 2013 Dec [PMID: 24081865] (Flow-CS, Human)

Sato D, Suzuki Y, Kano T et al. Tonsillar TLR9 expression and efficacy of tonsillectomy with steroid pulse therapy in IgA nephropathy patients. Nephrol Dial Transplant. 2012 Mar [PMID: 21778277] (Flow-CS, Flow-IC)

Details:
Plasmacytoid Dendritic Cell (pDC)/TLR9 kit (IMG-6630k). Flow (cell surface & intracellular): Primary human tonsillar B cells, Fig 3B.Note: IMG-6628k is a component of the pDC/TLR9 (IMG-6630k) kit.

Procedures

MSDS (NBP2-29608)
Material Safety Data Sheet for Sodium Azide

Hazard Information
Chemical Name Sodium Azide
Chemical Formula NaN3
CAS Number 26628-22-8
EEC-No 247-852-1

Hazard Identification
Very toxic if swallowed. Contact with acids liberates very toxic gas.

First Aid Measures
Eye Contact Irrigate thoroughly with water for at least 15 minutes. Seek medical advice.
Skin Contact Wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.
Inhalation Remove from exposure, rest and keep warm. In severe cases, seek medical advice.
Ingestion Wash out mouth thoroughly with water and give plenty of water to drink. Seek medical advice.

Accidental Release Measures
Wear appropriate protective clothing. Inform others to keep a safe distance. Spread soda ash liberally over spillage. If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

Handling and Storage
Handling Avoid prolonged contact with copper or lead, especially in drainage systems or mercury and other heavy metals which may result in the formation of explosive azides. Under no circumstances eat, drink or smoke while handling this material. Wash hands thoroughly after working with this material. Contaminated clothing should be removed and washed before re-use.

Exposure Controls / Personal Protection
Respirator Dust respirator
Ventilation Extraction hood
Gloves Rubber or plastic
Eye Protection Lab goggles or face shield
Other Precautions Plastic apron, sleeves, boots - if handling large quantities.

Physical and Chemical Properties
Form Liquid
Color Colorless
Odor Odorless
Melting Point No data available
Boiling Temperature No data available
Density No data available
Vapor Pressure No data available
Solubility in Water Very soluble
Flash Point No data available
Explosion limits No data available
Ignition Temperature No data available
Stability and Reactivity
Stable unless heated.

Slow reaction at ambient temperature unless water contains dissolved carbon dioxide. Decomposes violently with chromyl chloride. Contact with acids liberates highly toxic gas: forms readily detonable salts with many materials, particularly heavy metals.

Toxicological Information
After ingestion, irritation of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract. Danger of skin absorption.

Disposal Considerations
Chemical residues are generally classified as special waste, and as such covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to chemical disposal company. Rinse out empty containers thoroughly before disposal.

Other Information
The information contained in this material safety datasheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Novus Biologicals shall not be held responsible for any damage resulting from the use of the above product or the information contained in this material safety data sheet.

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

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