

Product	<p>hCD1d / unloaded / [fluorochrome] Cat. No. XD08001 [fluorochrome] [size]</p> <p>hCD1d / α-GalCer / [fluorochrome] Cat. No. XD08002 [fluorochrome] [size]</p> <p>mCD1d / unloaded / [fluorochrome] Cat. No. YD08001 [fluorochrome] [size]</p> <p>mCD1d / α-GalCer / [fluorochrome] Cat. No. YD08002 [fluorochrome] [size]</p> <p>CD1d Dextramer® reagents consist of a polymer backbone carrying an optimized number of human CD1d (hCD1d) or murine CD1d (mCD1d) molecules, loaded with α-GalCer or unloaded, and fluorochrome molecules, ensuring the binding of invariant natural Killer T (iNKT) cells and visualization.</p> <p>CD1d Dextramer® is available with the following fluorochromes: BV421, FITC [FI], PE, APC [AP], or without fluorochrome [NO].</p> <p>CD1d Dextramer® is available in the following sizes: 50, 150, 500, 1000 tests.</p>
Recommended use	<p>CD1d Dextramer® is recommended for antigen-specific identification, enumeration, and analysis of iNKT cells using flow cytometry. CD1d / α-GalCer / [fluorochrome] is specifically recognized by iNKT cells TCR.</p> <p>Unloaded CD1d Dextramer® is intended to be used as a negative control. Do not attempt to load lipid onto CD1d when attached to the dextran backbone as it is unlikely to achieve a satisfactory result. Please contact technical support (see below) for help creating CD1d reagents with lipids other than α-GalCer.</p> <p>For research use only. Not for use in diagnostic or therapeutic procedures.</p>
Reagents provided	<p>CD1d Dextramer® FITC, PE, APC, and BV421 are provided in an aqueous buffer containing 1% bovine serum albumin (BSA) and 15 mM NaN₃, pH 7.2.</p> <p>CD1d Dextramer® BV421 is provided in PBS buffer containing 0.1% NaN₃, pH 7.2.</p> <p>CD1d Dextramer® is provided in vials containing 50 tests (0.5 mL) and/or vials containing 150 tests (1.5 mL).</p>
Concentration	32 nM
Vials	The product is provided in 2 mL plastic vials with screw caps.
Storage	Store in the dark at 2-8 °C.
Expected Shelf-life	See immudex.com/FAQs .
Quality Control	Production of CD1d Dextramer® includes multiple in-process quality control checks (see immudex.com/resources/quality).

Precautions	<p>Contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper, plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.</p> <p>As with any product derived from biological sources, proper handling procedures should be used.</p> <p>For professional users.</p>
Recommended protocols	<p>Recommended use is 10 µL of CD1d Dextramer® per test. 1 test (10 µL) corresponds to the volume recommended to stain 1-3 million PBMCs. See "MHC Dextramer® Staining Protocol" (immudex.com/resources/protocols).</p>
SDS	<p>Immudex's products and components are classified as non-hazardous and therefore a Safety Data Sheet (SDS) is not required – please read our Non-hazard Classification Statement at immudex.com/resources/safety-documentation.</p>
Symbols	<p>See immudex.com/symbols.</p>
Technical support	<p>E-mail: customer@immudex.com Telephone: +45 3110 9292 (Denmark), +1 (703) 766 4688 (US).</p>
Manufacturer	<p>Immudex, Bredevej 2A, DK-2830 Virum, Denmark.</p>
Trademarks	<p>BV421 is equivalent to Brilliant Violet™ 421, which is a trademark or registered trademark of Becton, Dickinson and Company or its affiliates, and is used under license. Powered by BD Innovation.</p>
Label License	<p>CD1d Dextramer® with BV421 is provided under an intellectual property license from Becton, Dickinson and Company. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in activity to generate revenue including (a) in manufacturing other than limited to quality control; (b) for therapeutic, diagnostic or prophylactic purposes; or (c) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than research, contact Becton, Dickinson and Company, 10975 Torreyana Road, San Diego, California 92121 USA or bdblicensing@bd.com.</p>