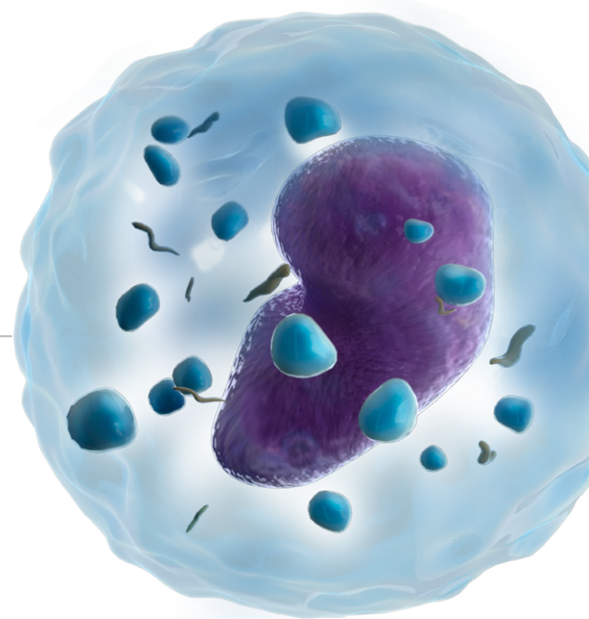


## Detect NKT Cells with Confidence

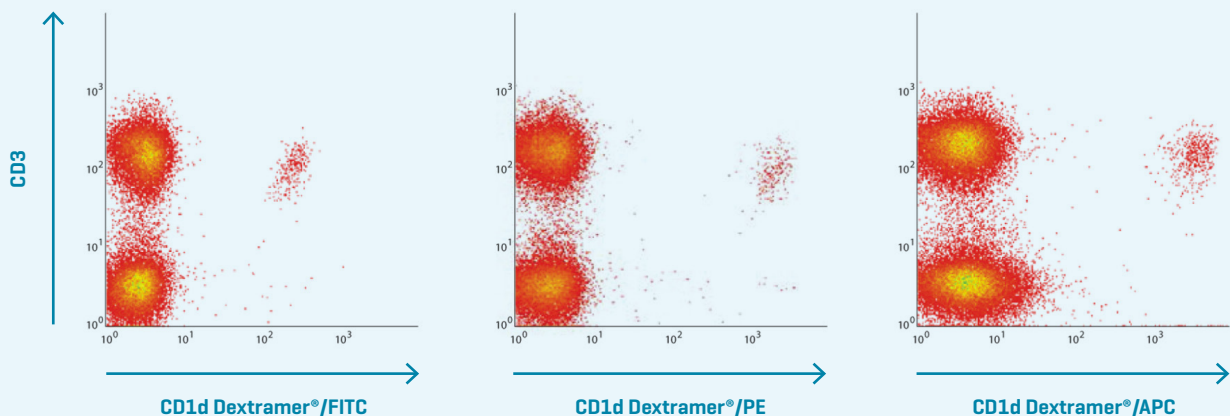
Natural killer T (NKT) cells are CD1d-restricted T cells that recognize lipids and glycolipids and play an important role in linking innate and adaptive immune responses.

CD1d Dextramer<sup>®</sup> reagents carry CD1d molecules coupled with glycolipid alpha-Galactosyl Ceramide [ $\alpha$ -GalCer] to accurately detect invariant NKT (iNKT) cells by flow cytometry.



## Explore Applications of CD1d Dextramer<sup>®</sup>

- Detect, isolate, and enumerate NKT cells from blood and PBMCs
- Profile immune responses
- Evaluate vaccine efficacy
- Guide immunotherapeutic development

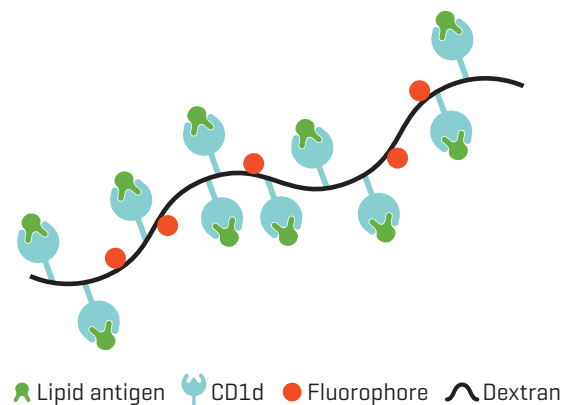


Flow cytometry analyses of iNKT cells in human PBMCs using CD1d/ $\alpha$ -GalCer Dextramer<sup>®</sup> labeled with FITC, PE, and APC fluorophores, respectively

## Benefits of CD1d Dextramer<sup>®</sup>

CD1d Dextramer<sup>®</sup> reagents are based on the high-quality Dextramer<sup>®</sup> technology, adapted to shed new light on NKT cells:

- High-quality, research-ready reagents
- Interpret obtained data with ease
- Generate accurate and reproducible results



## Product Description

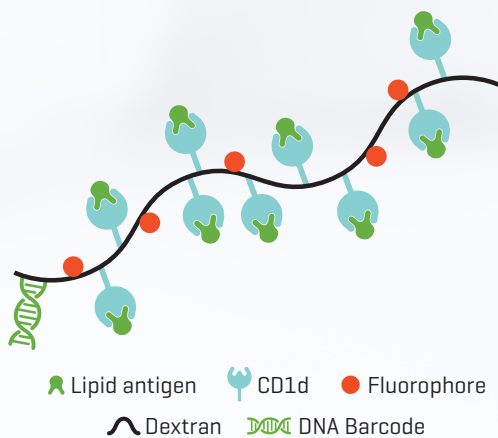
- CD1d Dextramer® reagents contain an optimized number of CD1d- $\alpha$ -GalCer complexes and a choice of fluorophores on a flexible dextran backbone
- CD1d Dextramer® is also available 'empty', allowing you to load your lipid of interest and generate a unique CD1d/lipid Dextramer® or create a negative control reagent
- Available test sizes: 15, 50, 150, 500 or 1000 tests.

CD1D DEXTRAMER®	GLYCOLIPID	FLUOROPHORE
Human CD1d	$\alpha$ -GalCer	PE, APC, or FITC
Mouse CD1d	$\alpha$ -GalCer	PE, APC, or FITC
Human CD1d	Empty	PE, APC, or FITC
Mouse CD1d	Empty	PE, APC, or FITC

## Move from Flow Cytometry Down to the Single-Cell Multi-Omics

CD1d Dextramer® is also available as **CD1d dCODE Dextramer®** to identify NKT cells down to the single-cell level.

CD1d dCODE Dextramer® products are available for bulk analysis by NGS [HiT] or single-cell multi-omics using 10x Chromium [10X] or BD Rhapsody™ platforms [RiO].



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