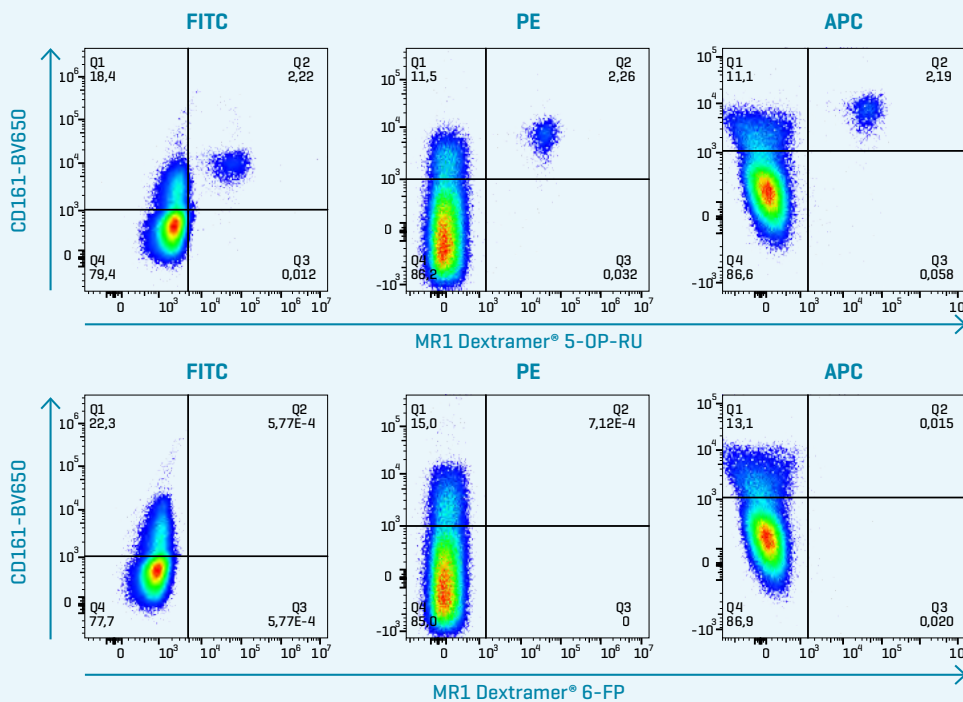


## Detect, Isolate, and Validate Antigen-Specific MAIT Cells

Mucosal-associated invariant T (MAIT) cells have a complex role in immunity but are proving attractive targets for immunotherapy. To understand their potential further, better research tools are needed.

With MR1 Dextramer® technology, detect antigen-specific MAIT cells with confidence.

## No Compromises in Performance



Gating: Live cells, single cells, CD3+ CD161+, Dextramer®+ 6-FP is here used as a negative control

With an optimized number of MR1 complexes, MR1 Dextramer® reagents detect 5-OP-RU specific MAIT cells with superior sensitivity and resolution.

Whether the fluorophore is FITC, PE, or APC, the positive population can be clearly distinguished with minimal background.

MR1 Dextramer® reagents are also available with BV421.

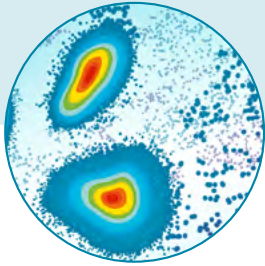
## Benefits of MR1 Dextramer®

MR1 Dextramer® reagents are based on the high-quality Dextramer® technology, adapted to shed new light on MAIT cells:

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

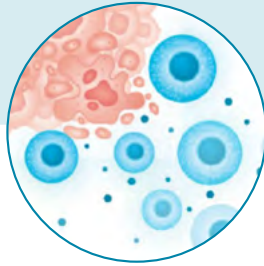


## Explore the Many Applications of MR1 Dextramer<sup>®</sup>



### Basic Research

Simultaneously investigate antigen specificity and phenotype for a deeper understanding of MAIT cells' role in immunity



### Cell Therapy

Validate target recognition of your MAIT cell therapy or TCR-like antibody candidates for more specific cell therapies






### Disease

Track and investigate antigen-specific MAIT cells over time for improved understanding of their pathogenies

## Investigate the Antigen-Specific MAIT Cell Response

Immudex provides flexibility to your MAIT cell research by offering biotinylated MR1 Monomers, MR1 Dextramer<sup>®</sup>, and MR1 dCODE Dextramer<sup>®</sup> reagents for your assay of choice and two different ligands:

- 5-OP-RU potent activator
- 6-FP negative control

REAGENT	LIGAND	METHOD	TEST SIZE
MR1 Monomer 	5-OP-RU 6-FP	Optimizable	20, 100, 200 µg
MR1 Dextramer <sup>®</sup> 	5-OP-RU 6-FP	Flow cytometry	25, 50, 150 tests
MR1 dCODE Dextramer <sup>®</sup> 	5-OP-RU 6-FP	Next generation sequencing Single-cell multi-omics	15, 50, 150 tests

Interested in learning more? Please contact us at [customer@immudex.com](mailto:customer@immudex.com).

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