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DATA SHEET

Reagent:	Anti-Human MR1 Monoclonal (26.5)
Catalog Number:	12788
Lot Number:	150321
Release Category:	
Provided:	1 mL of culture supernatant
Description:	This monoclonal antibody binds to human MHC-related protein 1 (MR1).
Host:	Mouse
Titer:	The user should determine the optimal concentration for any application.
Special Characteristics:	This antibody was produced in cell culture. It originates from a hybridoma. The hybridoma was created by immunizing a MR1-deficient mouse human recombinant MR1 ectodomain produced in insect cells and fusing the resulting splenocytes with SP2/O myeloma cells. MR1 is found on mucosal-associated invariant T (MAIT) cells after ligand engagement. This monoclonal reacts with Human, Mouse, Rat and Bovine MR1.
Recommended Storage:	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Marco Colonna
Isotype:	IgG2a κ

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References: Huang, S., Gilfillan, S., Cella, M., Miley, M. J., Lantz, O., Lybarger, L., . . . Hansen, T. H. (2005). Evidence for MR1 antigen presentation to mucosal-associated invariant T cells. J Biol Chem, 280(22), 21183-21193. doi:10.1074/jbc.M501087200 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human MR1 Monoclonal (26.5) from Dr. Marco Colonna (cat# 12788)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact The Washington University at the following email address: gian.zhang@wustl.edu, before the reagent can be released.

Last Updated August 01, 2018

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