PRODUCT INFORMATION

Target	MR1
Synonyms	HLALS
Description	Recombinant human MR1 protein with C-terminal human Fc tag
Delivery	Under development
Uniprot ID	Q95460
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	MR1 (R23-Met302) hFc(Glu99-ALA330)
Molecular Weight	The protein has a predicted molecular mass of 56.32 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	MAIT (mucosal-associated invariant T-cells) lymphocytes represent a small population of T-cells primarily found in the gut. The protein encoded by this gene is an antigen-presenting molecule that presents metabolites of microbial vitamin B to MAITs. This presentation may activate the MAITs to regulate the amounts of specific types of bacteria in the gut. Several transcript variants encoding different isoforms have been found for this gene, and a pseudogene of it has been detected about 36 kbp upstream on the same chromosome. [provided by RefSeq, Jul 2015]
Usage	Research use only
Conjugate	Unconjugated

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