PRODUCT INFORMATION

Target	FOLR1
Synonyms	FBP;FOLR;FRalpha
Description	Recombinant Human FOLR1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P15328
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	FOLR1(Arg25-Ser234) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 25.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 90% 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	The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene.
Usage	Research use only
Conjugate	Unconjugated

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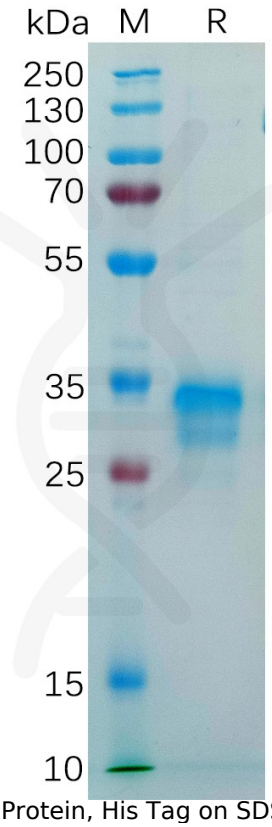

Figure 1.Human FOLR1 Protein, His Tag on SDS-PAGE under reducing condition.

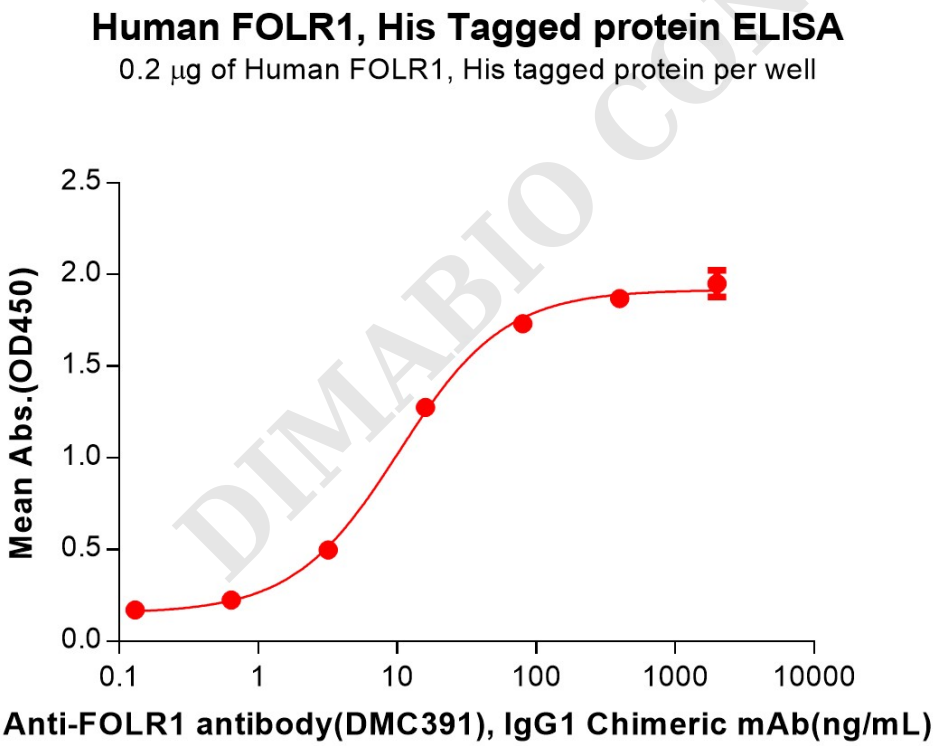

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FOLR1 Protein, His Tag (PME100249) can bind Anti-FOLR1 antibody(DMC391), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.

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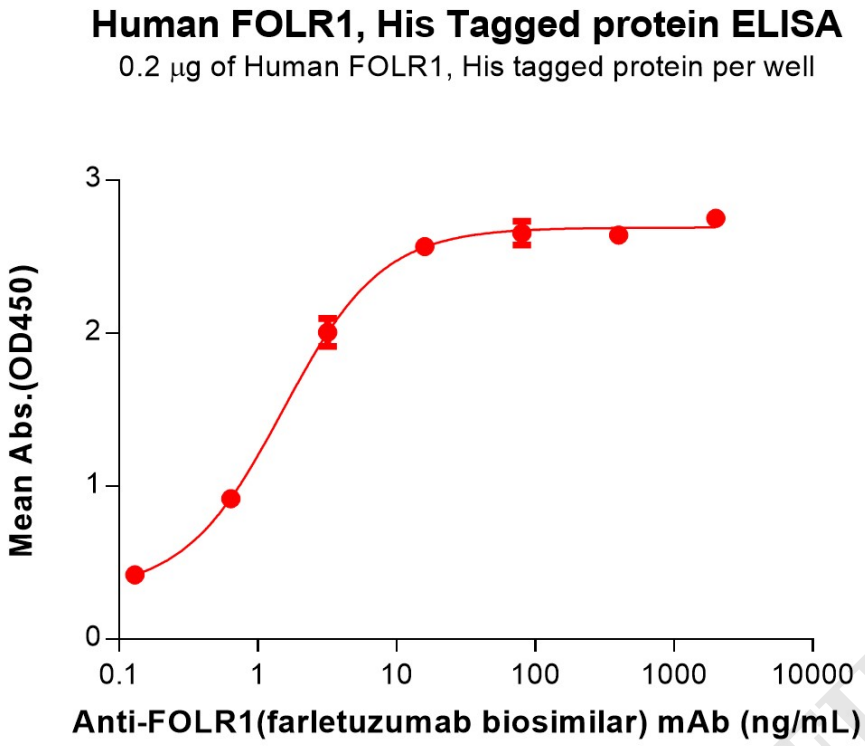

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FOLR1 Protein, His Tag (PME100249) can bind Anti-FOLR1(farletuzumab biosimilar) mAb (BME100163) in a linear range of 0.64–16 ng/mL.

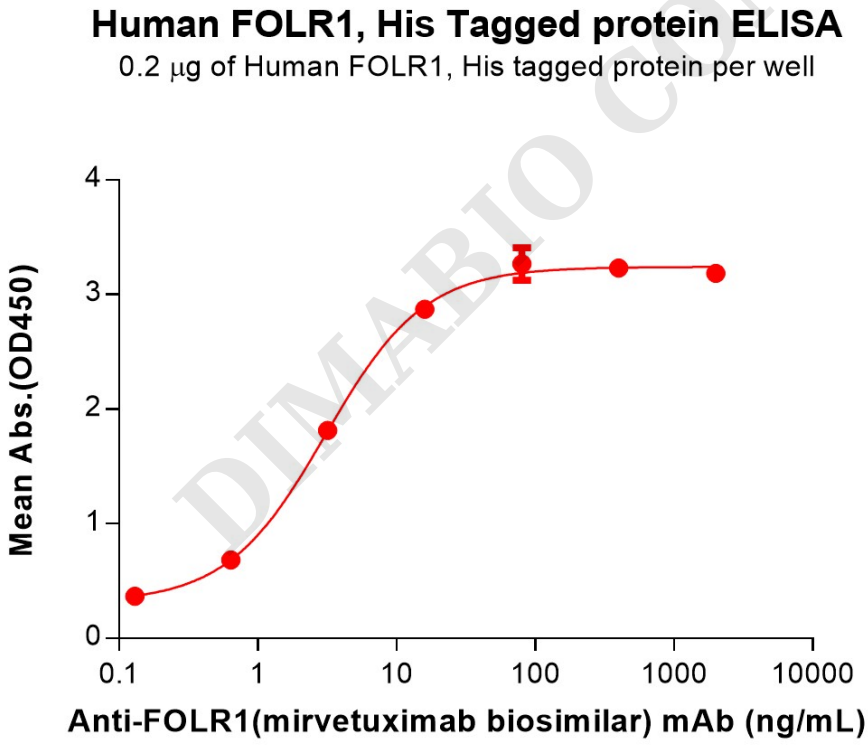

Figure 4. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FOLR1 Protein, His Tag (PME100249) can bind Anti-FOLR1(mirvetuximab biosimilar) mAb (BME100178) in a linear range of 0.64–16 ng/mL.

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