PRODUCT INFORMATION

Common Name	JR-141
Conjugate	Unconjugated
Synonyms	TR;TfR;TfR1;Trfr;T9;p90;CD71
Applications	ELISA, Flow Cyt
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
Recommended Dilutions	ELISA 1:5000-10000, Flow Cyt 1:100
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.
Host Species	Humanized
IgG type	Human IgG1 – kappa
Reactivity	Human
Target	TFRC
Uniprot ID	P02786
Description	Anti-TFRC(pabinafusp alfa biosimilar) mAb
Delivery	In Stock
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only

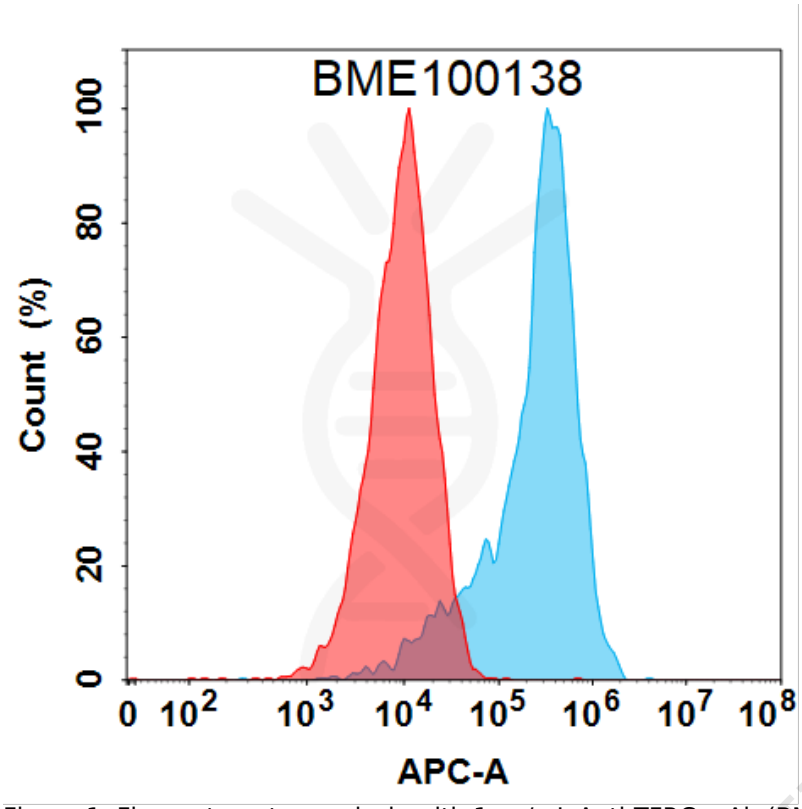

Figure 1. Flow cytometry analysis with 1 μg/mL Anti-TFRC mAb (BME100138) on HEK293 cells transfected with Human TFRC protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

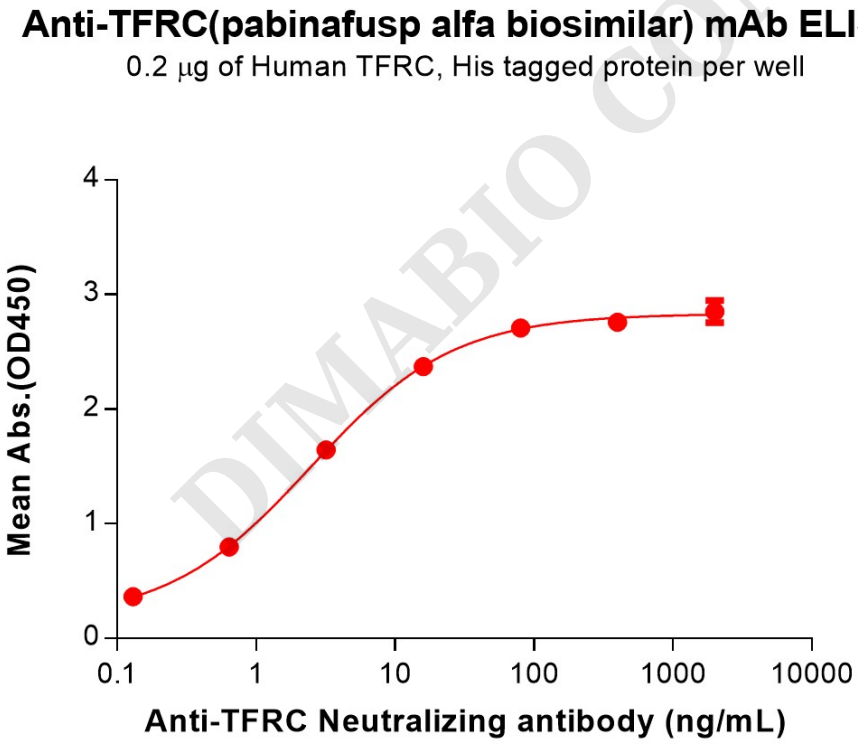

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human TFRC Protein, His Tag (PME100775) can Anti-TFRC(pabinafusp alfa biosimilar) mAb (BME100138) in a linear range of 0.13–16 ng/mL.

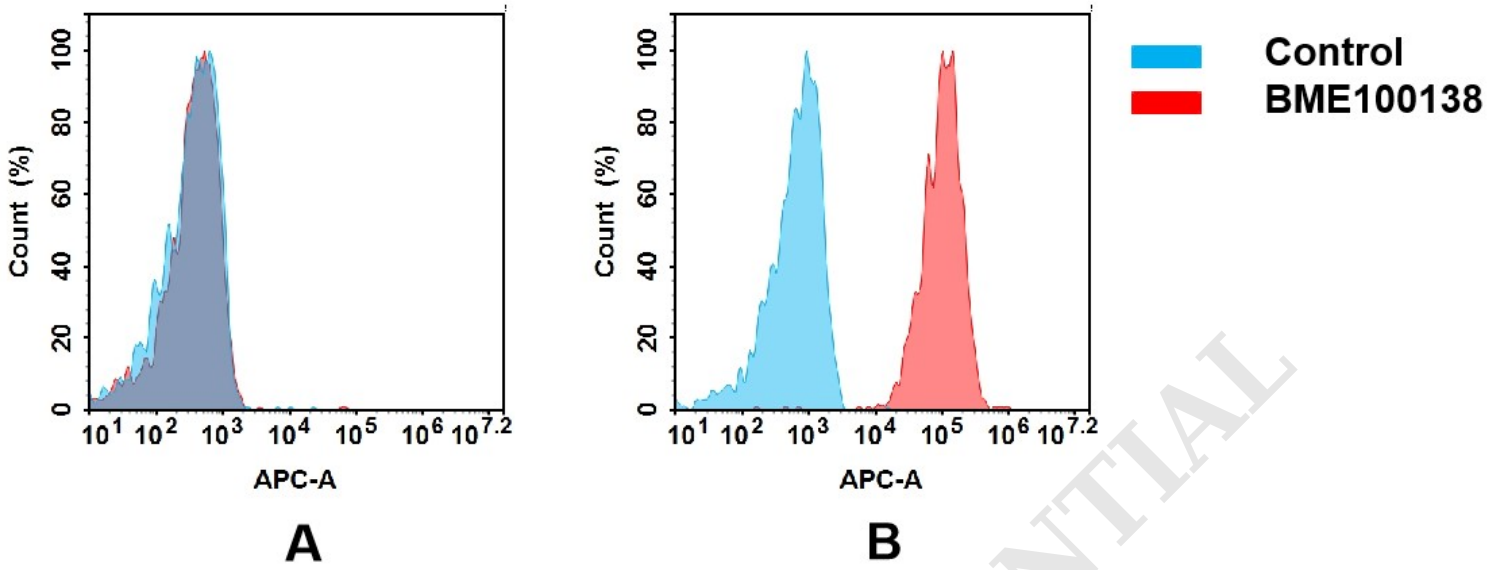

Figure 3. Flow cytometry analysis of antigen binding of anti-human TFRC mAb(BME100138).
(A) BME100138 does not bind to CHO-S cells that do not express TFRC.
(B) A clear peak shift of BME100138 was seen compared to the control when incubated with TFRC-expressing Siha cells, indicating strong binding of BME100138 to TFRC. Antibodies were incubated at 5 μg/mL.

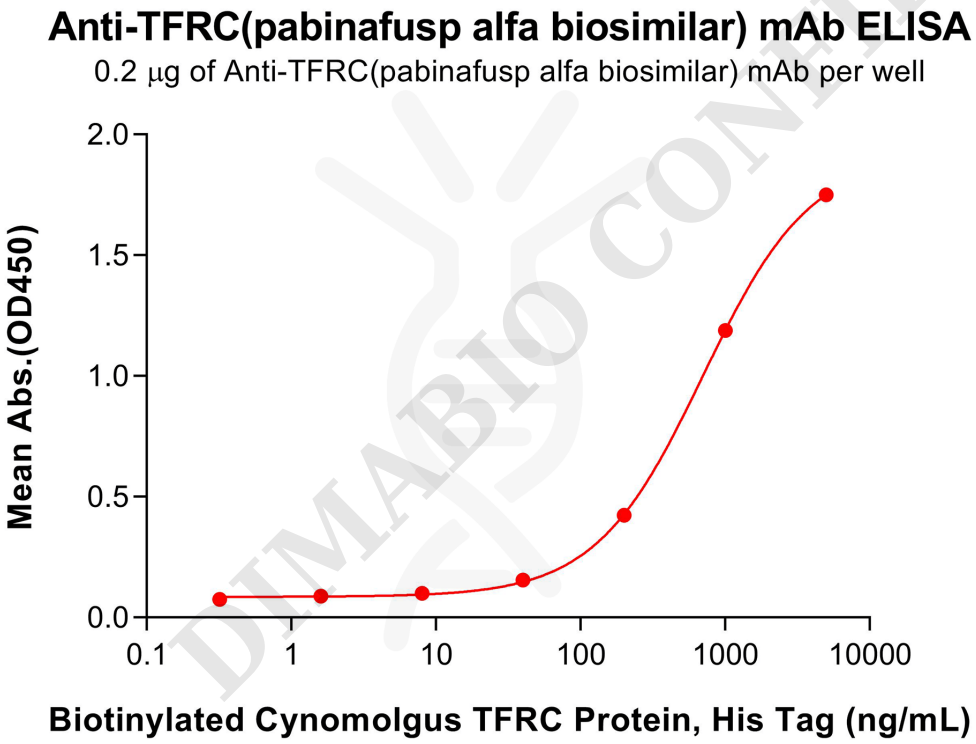

Figure 4. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-TFRC(pabinafusp alfa biosimilar) mAb (BME100138) can bind Biotinylated Cynomolgus TFRC Protein, His Tag (PME-C100081B) in a linear range of 200-1000 ng/mL. In order to specifically detect PME-C100081B, HRP Conjugated Streptavidin was used as detection antibody.

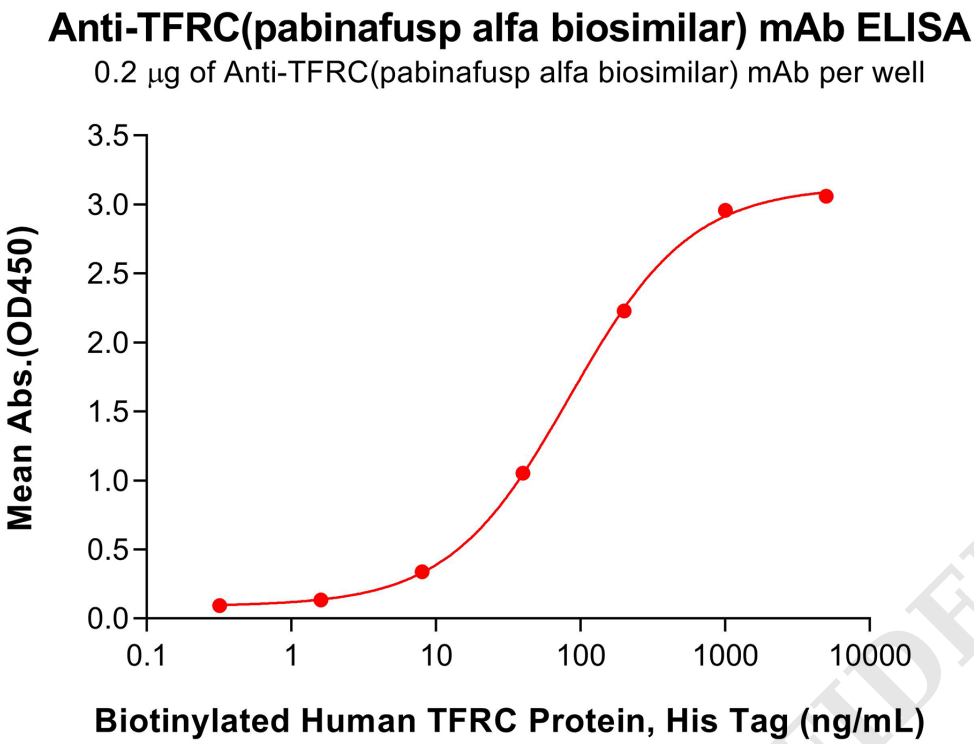

Figure 5. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-TFRC(pabinafusp alfa biosimilar) mAb (BME100138) can bind Biotinylated Human TFRC Protein, His Tag (PME100775B) in a linear range of 40-200 ng/mL. In order to specifically detect PME100775B, HRP Conjugated Streptavidin was used as detection antibody.