

Human anti-Human CD47 Monoclonal Antibody | anti-CD47 antibody

Anti-CD47 (magrolimab biosimilar) mAb

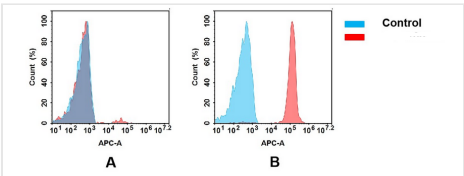
CATALOG # AAA11712	HOST Human	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD47; Monoclonal Antibody; Anti-CD47 (magrolimab biosimilar) mAb; MER6; IAP; anti-CD47 antibody

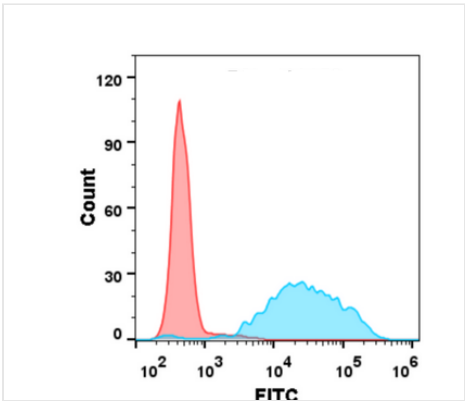
PRODUCT SPECIFICATIONS

Host	Human
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Form/Format	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
Applicable Applications for anti-CD47 antibody	ELISA, FCM/FACS (Flow Cytometry)
Application Notes	ELISA: 1:5000-10,000 Flow Cytometry 1:100
Conjugate	Unconjugated
Target	CD47
Reconstitution	1.- Before opening the tube cap. Centrifuge the sample tube at 5000 for 3-5 min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2.- Dissolved lyophilized protein sample in sterile water based on the recommended volume __86.21_ul. 3.- After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Preparation and Storage	Store at -20 degree to -80 degree for 12 months in lyophilized form. After reconstitution if not intended to use within a month, aliquot and store -80 degree. (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



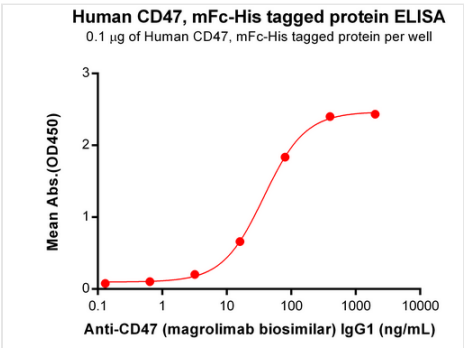
Application Data

Figure 3. Flow cytometry analysis of antigen binding of anti-human CD47 mAb(AAA11712). (A) AAA11712 does not bind to CHO-S cells that do not express CD47.(B) A clear peak shift of AAA11712 was seen compared to the control when incubated with CD47-expressing 8226 cells, indicating strong binding of AAA11712 to CD47. Antibodies were incubated at 5 ug mL.



Application Data

Figure 2. Jurkat cell line were surface stained with anti-CD47 (AAA11712) (Blue histogram) and isotype control (Red histogram) 1 ug/ml followed by Alexa 488-conjugated Goat anti-Human IgG secondary antibody.



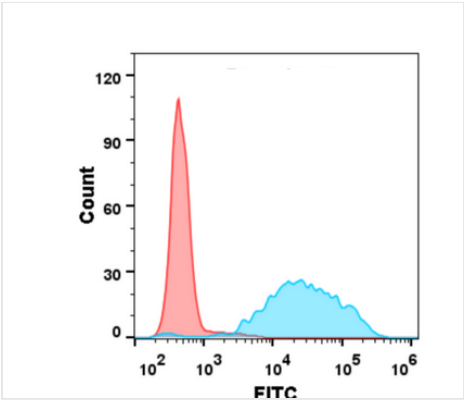
Application Data

Figure 1. ELISA plate pre-coated by 1 ?g/ml (100 ?l/well) Human CD47, mFc-His tagged protein can bind Anti-CD47?magrolimab biosimilar?IgG1? AAA11712 in a linear range of 3.2-16.0 ng/ml.

	TEST	SPECIFICATION	RESULT
Visual Inspection	Vial Label	Label aligned and complete	Pass
	Bottle Sealing (manual check)	Sealed tight	Pass
Quantity	A260	≥ Specified quantity	Pass
Bioactivity	Elisa CD450 value (0.2µg/well)	Bind to anti-Flag monoclonal antibody	Pass
Other Properties	pH	7.4 ± 0.5	Pass

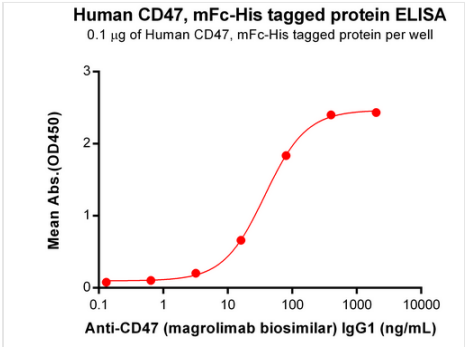
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ADDITIONAL INFORMATION

Product Categories/Family for anti-CD47 antibody	Biosimilar
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1171879
NCBI GeneID	961
UniProt Accession #	Q08722; Q53Y71; Q96A60; A8K198; D3DN59
NCBI Official Full Name	Leukocyte surface antigen CD47
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47; CD47 glycoprotein; Rh-related antigen; integrin associated protein; integrin-associated protein; integrin-associated signal transducer; antigenic surface determinant protein OA3; antigen identified by monoclonal antibody 1D
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	CD47
UniProt Synonym Gene Names	MER6; IAP
UniProt Entry Name	CD47_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd47-antibody-flow-cytometry-elisa/11712>