

anti-Human Magrolimab Monoclonal Antibody | anti-CD47 antibody

Research Grade Magrolimab

CATALOG # AAA120093	HOST Chimeric/Humanized	REACTIVITY Human
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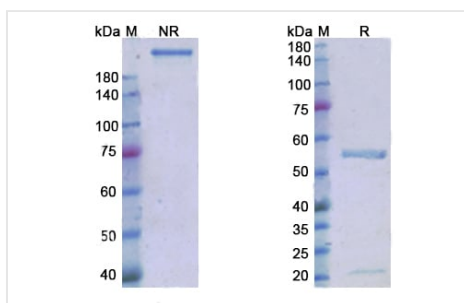
PRODUCT SYNONYMS

Magrolimab; Monoclonal Antibody; Research Grade Magrolimab; CD47; Hu5F9-G4; Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; IAP; Integrin-associated protein; Protein MER6; MER6; anti-CD47 antibody

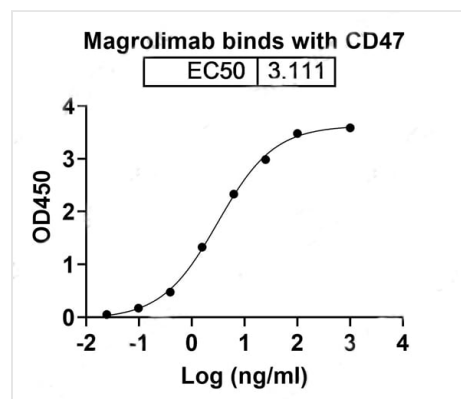
PRODUCT SPECIFICATIONS

Host	Chimeric/Humanized
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4-kappa
Purity/Purification	>95%; Protein A or G purified from cell culture supernatant.
Form/Format	Liquid. PBS buffer, pH7.4
Concentration	1mg/ml (varies by lot)
CAS	2169232-81-7
Preparation and Storage	Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE
SDS PAGE for Magrolimab



Bioactivity
Detects Human CD47/MER6 in direct ELISAs.

ADDITIONAL INFORMATION

Related Product Information for anti-CD47 antibody

Magrolimab (previously named 5F9) is a first-in-class investigational monoclonal antibody against CD47 and macrophage checkpoint inhibitor that is designed to interfere with recognition of CD47 by the SIRPalpha receptor on macrophages, thus blocking the "don't eat me" signal used by cancer cells to avoid being ingested by macrophages. Magrolimab is a macrophage immune checkpoint and "don't eat me" signal on cancers. CD47 blockade induces tumor phagocytosis and eliminates leukemia stem cells (LSC) in AML models.

Product Categories/Family for anti-CD47 antibody	Research Biosimilar
References	Therapeutic Targeting of the Macrophage Immune Checkpoint CD47 in Myeloid Malignancies, PMID: 32038992 First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers, PMID: 30811285 CD47 Blockade by Hu5F9-G4 and Rituximab in Non-Hodgkin's Lymphoma, PMID: 30380386 New directions for emerging therapies in acute myeloid leukemia: the next chapter, PMID: 33127875 Novel therapies for AML: a round-up for clinicians, PMID: 33412978

NCBI AND UNIPROT INFORMATION

NCBI GI #	1171879
NCBI GeneID	961
UniProt Accession #	Q08722 ; Q53Y71 ; Q96A60 ; A8K198 ; D3DN59
Molecular Weight	323
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.