

Mouse CD91 Monoclonal Antibody | anti-CD91 antibody

MOUSE ANTI HUMAN CD91:RPE

CATALOG # AAA12035	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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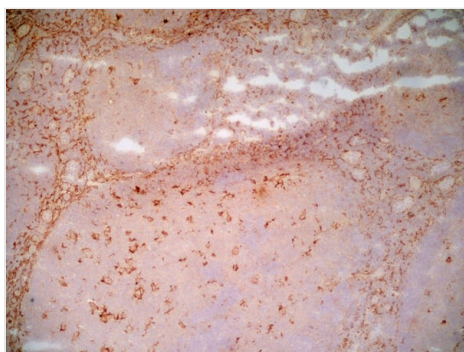
PRODUCT SYNONYMS

CD91; Monoclonal Antibody; MOUSE ANTI HUMAN CD91:RPE; anti-CD91 antibody

PRODUCT SPECIFICATIONS

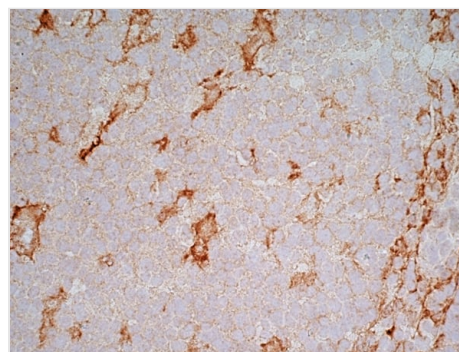
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	A2Mr alpha-2
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	292
Applicable Applications for anti-CD91 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Maximum Dilution: Neat
Reconstitution	Reconstitute with 1.0 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



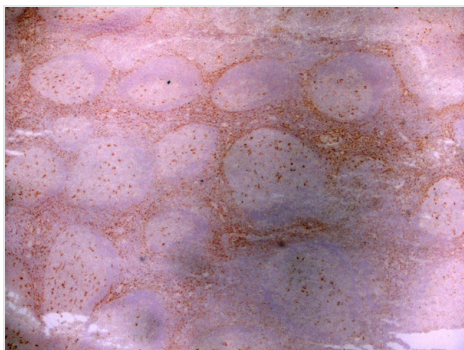
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 followed by the Histar detection system . Medium power



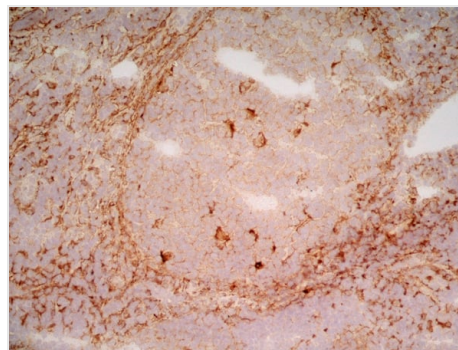
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 followed by the Histar detection system . High power



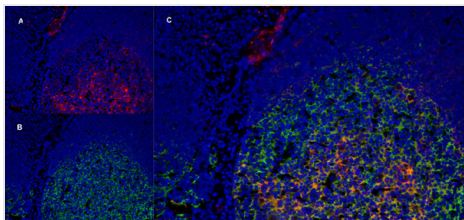
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 followed by the Histar detection system . Low power



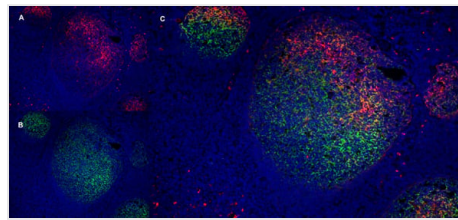
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 followed by the Histar detection system . Medium power



Application Data

Immunofluorescence staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 , red in A and Mouse anti Human CD21, clone LB21 , green in B. C is the merged image with nuclei counterstained blue using DAPI. Medium power



Application Data

Immunofluorescence staining of a human tonsil cryosection with Mouse anti Human CD91 antibody, clone A2Mr alpha-2 , red in A and Mouse anti Human CD21, clone LB21 , green in B. C is the merged image with nuclei counterstained blue using DAPI. Low power

ADDITIONAL INFORMATION

Related Product Information for anti-CD91 antibody

Mouse anti Human CD91 antibody, clone A2Mr alpha-2 recognizes human CD91, also known as Prolow-density lipoprotein receptor-related protein 1, Alpha-2-macroglobulin receptor or apolipoprotein E receptor. CD91 is a 4525 amino acid protein post translationally cleaved into 3 subunits, a 85kDa type I transmembrane carboxyl chain (LRP85) non-covalently bound to a 515kDa extracellular N-terminal subunit (LRP515)containing multiple EGF-like and LDL-receptor Class A and Class B domains. Additionally, there is an intracellular domain (LRPICD) which can be cleaved from the transmambrane domain by gamma secretase (May et al. 2004). Clone A2Mr alpha-2 detects an epitope within the LRP515 chain. CD91 is a multifunctional protein involved in processes including the phagocytosis and endocytosis of apoptotic cells (Nilsson et al. 2012), clearance of activated serum alpha-2-macroglobulin (Kristensen et al. 1990), modulation of the inflammatory response (Staudt et al. 2013) and acts as a receptor for Pseudomonas aeruginosa exotoxin A (Kounnas et al. 1992). Mouse anti Human CD91, clone A2Mr alpha-2 has been used extensively for the detection of CD91 by flow cytometry and immunohistochemistry on formalin fixed paraffin embedded tissues (Bourazopoulou et al. 2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012562
NCBI GeneID	4035
NCBI Accession #	NP_002323.2
NCBI GenBank Nucleotide #	NM_002332.2
UniProt Accession #	Q07954; Q2PP12; Q86SW0; Q8IVG8
Molecular Weight	31,631 Da
NCBI Official Full Name	prolow-density lipoprotein receptor-related protein 1
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 1
NCBI Official Symbol	LRP1
NCBI Official Synonym Symbols	APR; LRP; A2MR; CD91; APOER; LRP1A; TGFBP5; IGFBP3R

NCBI Protein Information	prolow-density lipoprotein receptor-related protein 1; LRP-1; TbetaR-V/LRP-1/IGFBP-3 receptor; alpha-2-macroglobulin receptor; apolipoprotein E receptor; type V tgf-beta receptor
UniProt Protein Name	Prolow-density lipoprotein receptor-related protein 1
UniProt Gene Name	LRP1
UniProt Synonym Gene Names	A2MR; APR; LRP-1; A2MR; APOER; LRP-85; LRP-515; LRPICD
UniProt Entry Name	LRP1_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/cd91-antibody-clone-a2mr-alpha-2-flow-cytometry-elisa/12035>