

DARC recombinant antibody

Anti-DARC [2C3]

CATALOG # AAA72013	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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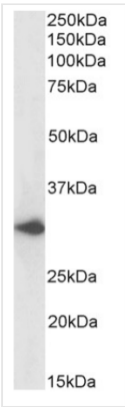
PRODUCT SYNONYMS

DARC; Monoclonal Recombinant Antibody; Anti-DARC [2C3]; Duffy Antigen Receptor for Chemokines; Fy6; NaM185-2C3; DARC recombinant antibody

PRODUCT SPECIFICATIONS

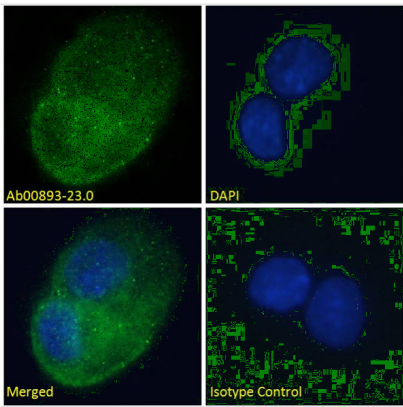
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	2C3
Specificity	The antibody binds specifically to the pentapeptide FEDVW of the Duffy receptor.
Purity/Purification	Protein A Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	337
Applicable Applications for DARC recombinant antibody	Blocking, FCM/FACS (Flow Cytometry), ELISA
Immunogen	CHO cells transfected with cDNA encoding the Duffy glycoprotein.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-DARC antibody 2C3 Human liver lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of 2C3 at 0.03 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for DARC is 35.6kDa. successfully detected DARC in human liver lysate.



IF (Immunofluorescence)

Immunofluorescence staining of fixed HepG2 cells with anti-DARC antibody 2C3
Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of 2C3 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing cytoplasmic staining, likely of endosomes, and some membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for DARC recombinant antibody	Recombinant monoclonal antibody to DARC. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 2C3. CHO cells transfected with cDNA encoding the Duffy glycoprotein.
Product Categories/Family for DARC recombinant antibody	Immunology; Infectious disease
References	Wasniowska et al. Structural characterization of the epitope recognized by the new anti-Fy6 monoclonal antibody NaM 185-2C3. Transfusion Medicine 2002; 12(3):204-211 PMID:12164140

NCBI AND UNIPROT INFORMATION

NCBI GI #	74753755
UniProt Accession #	Q4VBN9
Molecular Weight	35,547 Da
NCBI Official Full Name	DARC protein
UniProt Protein Name	DARC protein
UniProt Gene Name	DARC

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/darc-recombinant-antibody-clone-2c3-flow-cytometry-elisa/72013>