

For Research Use Only

# Darc Recombinant monoclonal antibody

Catalog Number: 87728-1-RR



## Basic Information

<b>Catalog Number:</b> 87728-1-RR	<b>GenBank Accession Number:</b> BC005583	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 13349	<b>CloneNo.:</b> 253012E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9QUI6	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> Duffy blood group, chemokine receptor	
	<b>Observed MW:</b> 38kDa, 43 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HEK-293, TF-1, K-562 cells
<b>Species Specificity:</b> human, mouse	

## Background Information

Mouse Darc (Ackr1) is an atypical chemokine receptor expressed predominantly on erythrocytes and endothelial cells, where it binds diverse inflammatory chemokines without classical GPCR signaling. By functioning as a chemokine reservoir and transporter, Ackr1 regulates chemokine gradients and leukocyte trafficking during inflammation. Studies in Ackr1-deficient mice highlight its role in immune homeostasis and neutrophil recruitment, establishing Darc as an important regulator of systemic chemokine availability and inflammatory responses.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

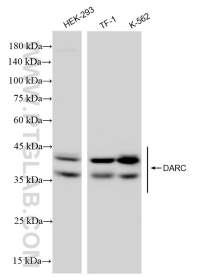
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87728-1-RR (Darc antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.