



# Anti-DARC monoclonal antibody (DCABH-11217)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites <i>Plasmodium vivax</i> and <i>Plasmodium knowlesi</i> . Polymorphisms in this gene are the basis of the Duffy blood group system. Two transcript variants encoding different isoforms have been found for this gene.
<b>Immunogen</b>	A synthetic peptide of human DARC is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [DARC Duffy blood group, chemokine receptor \[ Homo sapiens \]](#)

<b>Official Symbol</b>	DARC
<b>Synonyms</b>	DARC; Duffy blood group, chemokine receptor; Duffy blood group , FY; Duffy antigen/chemokine receptor; CCBP1; CD234; Dfy; GPD; glycoprotein D; Fy glycoprotein; Duffy blood group antigen; plasmodium vivax receptor; FY; GpFy; WBCQ1;
<b>Entrez Gene ID</b>	<a href="#">2532</a>
<b>Protein Refseq</b>	<a href="#">NP_001116423</a>
<b>UniProt ID</b>	<a href="#">Q16570</a>
<b>Chromosome Location</b>	1q21-q22
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem; Peptide GPCRs, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;
<b>Function</b>	C-C chemokine binding; G-protein coupled receptor activity; chemokine receptor activity; receptor activity; signal transducer activity; transmembrane signaling receptor activity;