

**KB493**

For research use only

# Anti Human DARC Polyclonal Antibody

**Code No.** KB493  
**Target** DARC  
**Category** GPCR  
**Gene ID** 2532  
**Primary Source** HGNC:4035  
**Synonyms** FY; Dfy; GPD; GpFy; CCBP1; CD234; WBCQ1; DARC

**Type** Polyclonal Antibody  
**Immunogen** Recombinant protein of full length Human DARC

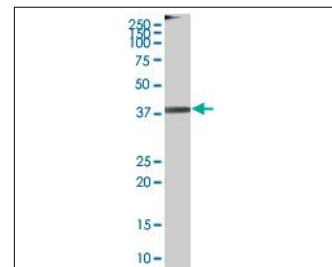
**Raised in** Mouse  
**Myeloma** -  
**Clone number** -  
**Purification** Protein A purified  
**Source** Mouse Serum  
**Isotype** -  
**Cross Reactivity** -  
**Label** Unlabeled  
**Concentration** 0.5 mg/mL  
**Contents (Volume)** 50 µg  
**Buffer** PBS, pH 7.2

**Storage** Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

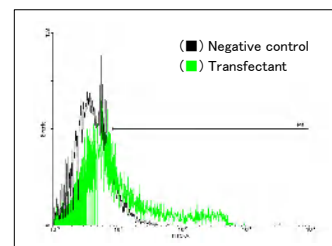
**Application** WB,FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)



[WB] DARC transfected 293T cell lysate



[FCM] DARC expressing 293 cells

## Reference

1. Chaudhuri A., et al. "Cloning of glycoprotein D cDNA, which encodes the major subunit of the Duffy blood group system and the receptor for the Plasmodium vivax malaria parasite." Proc. Natl. Acad. Sci. U.S.A. 90:10793-10797(1993)
2. Tournamille C., et al. "Disruption of a GATA motif in the Duffy gene promoter abolishes erythroid gene expression in Duffy-negative individuals." Nat. Genet. 10:224-228(1995)
3. Iwamoto S., et al. "Genomic organization of the glycoprotein D gene: Duffy blood group Fya/Fyb alloantigen system is associated with a polymorphism at the 44-amino acid residue." Blood 85:622-626(1995)

## UniPlot Summary

//Function: Non-specific receptor for many chemokines such as IL-8, GRO, RANTES, MCP-1 and TARC. It is also the receptor for the human malaria parasites Plasmodium vivax and Plasmodium knowlesi.

//Subcellular location: Membrane; Multi-pass membrane protein.

//Tissue specificity: Found in adult kidney, adult spleen, bone marrow and fetal liver. In particular, it is expressed along postcapillary venules throughout the body, except in the adult liver. Erythroid cells and postcapillary venule endothelium are the principle tissues expressing duffy. Fy(-A-B) individuals do not express duffy in the bone marrow, however they do, in postcapillary venule endothelium.

//Sequence similarities: Belongs to the G-protein coupled receptor Duffy family.