

Product Name: KD-Validated Glycophorin C Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01798

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 13.8kDa

Antigen Information

Gene Name	GYPC
Alternative Names	GYPC; Glycophorin C (Gerbich Blood Group); GPC; Sialoglycoprotein D; CD236R; CD236; GYPD; GPD; Glycoprotein Beta; Gerbich Antigen; Glycoconnectin; Glycophorin-C; Glycophorin-D; PAS-2'; GE; Gerbich Blood Group Antigen; Glycophorin D; CD236 Antigen; PAS-2; GLPC; Ge
Gene ID	2995.0
SwissProt ID	P04921
Immunogen	A synthesized peptide derived from human Glycophorin C

Background

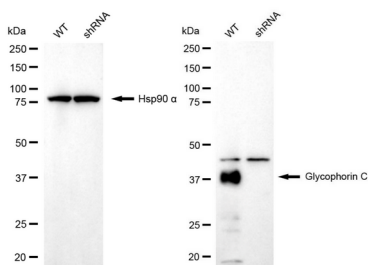
Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by human erythrocytes, but plays an

important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

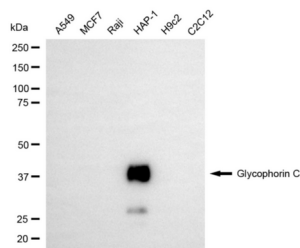
Research Area

Cardiovascular

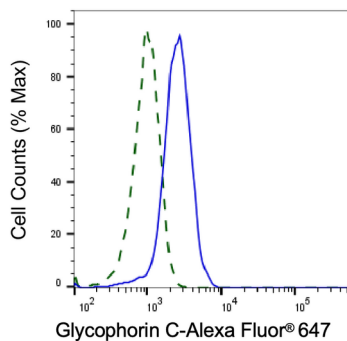
Image Data



Western blotting analysis using glycophorin C antibody (KVA01798). Glycophorin C expression in wild-type (WT) and GYPC shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with glycophorin C antibody (KVA01798, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. GYPC, glycophorin C (Gerbich blood group).



Western blotting analysis using glycophorin C antibody (KVA01798). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with glycophorin C antibody (KVA01798, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Glycophorin C knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HSHC cells were stained with Glycophorin C antibody (KVA01798, 1:2,000) and analyzed using BD flow cytometer.