**APPLICATIONS**

Glycophorin C (E5) is recommended for detection of red blood cell Glycophorin C of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and flow cytometry (1 µg per 1 x 10⁶ cells).

Suitable for use as control antibody for Glycophorin C siRNA (h): sc-42884, Glycophorin C shRNA Plasmid (h): sc-42884-SH and Glycophorin C shRNA (h) Lentiviral Particles: sc-42884-V.

Molecular Weight of Glycophorin C: 40 kDa.

Molecular Weight of Glycophorin D: 30 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, HEL 92.1.7 cell lysate: sc-2270 or TF-1 cell lysate: sc-2412.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz ® Blocking Reagent: sc-516214 and Western Blotting Luminal Reagent: sc-2048.2) Immunoprecipitation: use ProteinA/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

**DATA**

Glycophorin C (E5): sc-59185. Western blot analysis of Glycophorin C expression in HEL 92.1.7 whole cell lysate.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: GYPC (human) mapping to 2q14.3.

**SOURCE**

Glycophorin C (E5) is a mouse monoclonal antibody raised against human thymus.

**PRODUCT**

Each vial contains 200 µg IgGκ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Glycophorin C (E5) is available conjugated to agarose (sc-59185 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-59185 HRP), 200 µg/ml, for WB, HICP and ELISA; to either phycoerythrin (sc-59185 PE), fluorescein (sc-59185 FITC), Alexa Fluor® 488 (sc-59185 AF488), Alexa Fluor® 546 (sc-59185 AF546), Alexa Fluor® 594 (sc-59185 AF594) or Alexa Fluor® 647 (sc-59185 AF647), 200 µg/ml, for WB (RGB), IF, HICP and FCM; and to either Alexa Fluor® 680 (sc-59185 AF680) or Alexa Fluor® 790 (sc-59185 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM. Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.