Glycophorin A Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
Glycophorin A Concentrate	FP-A058-01	0.1 ml
Glycophorin A Concentrate	FP-A058-05	1 ml
Glycophorin A Predilute	FP-A058-70	7 ml

Description

Glycophorin A (GPA) and Glycophorin B (GPB) are erythrocyte blood group determinants that minimize erythrocyte aggregation during the circulation of blood. Anti-Glycophorin A is useful for understanding erythroid cell development and identifying erythroid leukemias.

Specifications

Clone	IHC587
Source	Mouse Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

IHC Procedure*

Positive Control Tissue	Bone Marrow
Concetrated Dilution	1:50 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the detection system manual

*Result should confirmed by an established diagnostic procedure.

Result

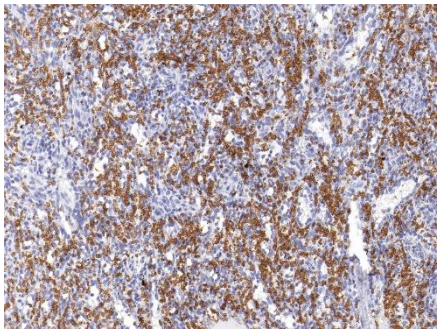

Figure. Glycophorin A on Spleen

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Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

Precautions

The product is for research use only. Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

References

1. **Rollins-Raval MA**, et al. "ALDH, CA I, and CD2AP: novel, diagnostically useful immunohistochemical markers to identify erythroid precursors in bone marrow biopsy specimens." Am J Clin Pathol. 2012 Jan;137(1):30-8.
2. **Dong HY**, et al. "CD71 is selectively and ubiquitously expressed at high levels in erythroid precursors of all maturation stages: a comparative immunochemical study with glycophorin A and hemoglobin A." Am J Surg Pathol. 2011; 35:723-32.
3. **Sadahira Y**. "Immunohistochemical identification of erythroid precursors in paraffin embedded bone marrow sections: spectrin is a superior marker to glycophorin." J Clin Pathol. 1999 Dec;52(12):919-21.
4. **Chang CC,** et al. "Immunophenotypic profile of myeloid cells in granulocytic sarcoma by immunohistochemistry. Correlation with blast differentiation in bone marrow." Am J Clin Pathol. 2000 Nov;114(5):807-11.

Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to femtopath@hongjing.com.tw for questions regarding this product.