

For Research Use Only

HBE1-Specific Monoclonal antibody

Catalog Number: 66151-1-Ig



Basic Information

Catalog Number:

66151-1-Ig

Size:

1100 μ g/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM_005330

GeneID (NCBI):

3046

UNIPROT ID:

P02100

Full Name:

hemoglobin, epsilon 1

Observed MW:

16 kDa

Purification Method:

Protein G purification

CloneNo.:

2C11G6

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

FC, IHC, WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells,

IHC : human placenta tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The hemoglobin molecule is a tetramer consisting of two α -globin-like polypeptide chains and two β -globin-like chains. The human hemoglobin genes are expressed in a tightly developmentally controlled fashion. ϵ -globin (HBE1) is the predominantly expressed gene during the embryonic stage. The epsilon hemoglobin chain seems to be the best marker for fetal nucleated red blood cells (NRBCs). Anti-HBE1 may be used to label and isolate fetal cells from maternal blood and can be useful in prenatal diagnosis. This antibody specifically recognizes the HBE1 and doesn't cross-react with other globin chains.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

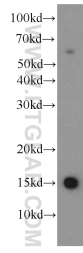
T: 4006900926

E: Proteintech-CN@ptglab.com

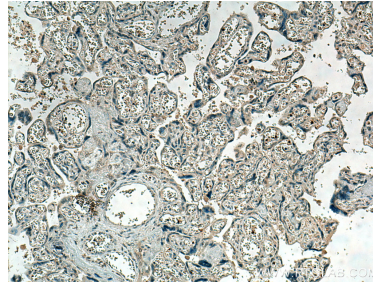
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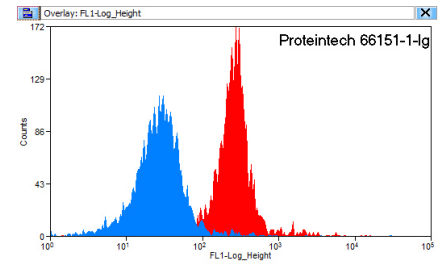
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 66151-1-Ig (HBE1-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66151-1-Ig (HBE1-Specific antibody) at dilution of 1:1000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 K-562 cells were stained with 0.2 ug Anti-Human HBE1-Specific (66151-1-Ig, Clone: 2C11G6) and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1500 (red), or stained with 0.2 ug isotype control and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1500 (blue). Cells were fixed with 90% MeOH.