

Product datasheet

Anti-fetal hemoglobin antibody (FITC) ab19365

2 References

Overview

| | |
|----------------------------|--|
| Product name | Anti-fetal hemoglobin antibody (FITC) |
| Description | Sheep polyclonal to fetal hemoglobin (FITC) |
| Host species | Sheep |
| Conjugation | FITC. Ex: 493nm, Em: 528nm |
| Specificity | By immunoelectrophoresis and ELISA this antibody reacts specifically with human hemoglobin F. No antibody was detected against hemoglobin A1, A2, S or human serum proteins. |
| Tested applications | Suitable for: ICC |
| Species reactivity | Reacts with: Human Predicted to work with: Chimpanzee, Gorilla ▲ |
| Immunogen | Human Hemoglobin F |
| General notes | F/P ratio is 3 to 7. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. |
| Storage buffer | Preservative: 0.1% Sodium Azide Constituents: 0.2% BSA, PBS, pH 7.2 |
| Purity | Immunogen affinity purified |
| Purification notes | The antibody was isolated by affinity chromatography using antigen coupled to agarose beads. Antibody concentration was determined by extinction coefficient prior to conjugation: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab19365** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-----------------|
| ICC | | 1/200 - 1/2000. |

Target

Relevance

The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. The order of the genes in the beta-globin cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'

Cellular localization

Cytoplasmic

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