

Product datasheet

Anti-CD79b antibody [HM79] (FITC) ab91496

製品の概要

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| 製品名 | Anti-CD79b antibody [HM79] (FITC) |
| 製品の詳細 | Armenian Hamster monoclonal [HM79] to CD79b (FITC) |
| 由来種 | Armenian hamster |
| 標識 | FITC. Ex: 493nm, Em: 528nm |
| 特異性 | We have data to indicate that this antibody may not cross react with Human. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues. |
| アプリケーション | 適用あり: Flow Cyt |
| 種交差性 | 交差種: Mouse |
| 免疫原 | Purified CD79a/b (alpha/beta) dimers from WEHI231 cells. |
| エピトープ | Recognizes an extracellular epitope of Mouse CD79b (CD79 beta, Ig beta). |
| 特記事項 | Conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C. |
| バッファー | Preservative: 15mM Sodium Azide Constituents: 0.2% BSA, PBS |
| 精製度 | Size exclusion |
| ポリ/モノ | モノクローナル |
| クローン名 | HM79 |
| アイソタイプ | IgG2 |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab91496** in the following tested applications.

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

Flow Cyt

追加情報

Flow Cyt: Use at a concentration of 1 µg/ml.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報**機能**

Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.

組織特異性

B-cells.

関連疾患

Defects in CD79B are the cause of agammaglobulinemia type 6 (AGM6) [MIM:612692]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life.

配列類似性

Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Contains 1 ITAM domain.

翻訳後修飾

Phosphorylated on tyrosine upon B-cell activation.

細胞内局在

Cell membrane. Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

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