

Product datasheet

Anti-CD18 antibody [MEM-48] - Low endotoxin, Azide free
ab46700

1 References 画像数 1

製品の概要

製品名	Anti-CD18 antibody [MEM-48] - Low endotoxin, Azide free
製品の詳細	Mouse monoclonal [MEM-48] to CD18 - Low endotoxin, Azide free
特異性	The antibody MEM-48 recognizes an epitope involving residues 534-546 in cysteine-rich repeat 3 of the CD18 antigen (integrin β 2 subunit; β 2 integrin).
アプリケーション	適用あり: Flow Cyt, IP, WB, IHC-Fr, Functional Studies
種交差性	交差種: Human
免疫原	Leucocytes of a patient suffering from a LGL-type leukaemia.
ポジティブ・コントロール	WB: Kg-1a human leukemia cell lysate
特記事項	Preserved by filter sterilization

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	Preservative: None Constituents: PBS, pH 7.4
精製度	>95% by SDS-PAGE
ポリ/モノ	モノクローナル
クローン名	MEM-48
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab46700** in the following tested applications.

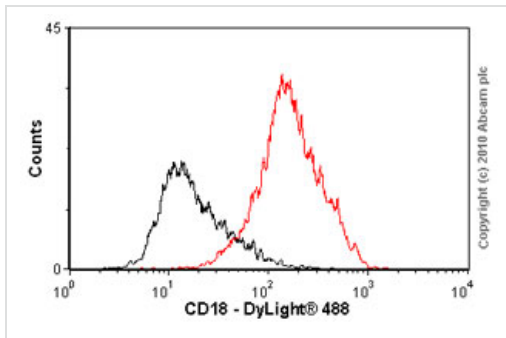
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
WB		Use a concentration of 2 µg/ml. Use under non reducing condition. Predicted molecular weight: 85 kDa. Use under non reducing conditions. Sample preparation: buffer with laurylmaltoside, 2 x non-reducing SDS. SDS-PAGE (6% separating gel, 4% stacking gel).
IHC-Fr		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration. This antibody is useful for studies of cell-cell and cell-matrix adhesion. It induces high-affinity conformation of LFA-1 complex.

ターゲット情報

機能	Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1.
関連疾患	Defects in ITGB2 are the cause of leukocyte adhesion deficiency type 1 (LAD1) [MIM:116920]. LAD1 patients have recurrent bacterial infections and their leukocytes are deficient in a wide range of adhesion-dependent functions.
配列類似性	Belongs to the integrin beta chain family. Contains 1 VWFA domain.
翻訳後修飾	Both Ser-745 and Ser-756 become phosphorylated when T-cells are exposed to phorbol esters. Phosphorylation on Thr-758 (but not on Ser-756) allows interaction with 14-3-3 proteins.
細胞内局在	Membrane.

画像



Flow Cytometry - CD18 antibody [MEM-48] - Azide free (ab46700)

Overlay histogram showing peripheral blood lymphocytes stained with ab46700 (red line). The cells were incubated with the antibody (ab46700, 1µg/1x10⁶ cells) for 30 min at 4°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H&L) (ab96879) at 1/200 dilution for 30 min at 4°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed gating on peripheral blood lymphocytes.

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