abcam

Product datasheet

Mouse VCAM1 ELISA Kit ab100750

5 References 画像数 2

製品の概要

製品名	Mouse VCAM1 ELISA Kit
検出方法	Colorimetric
サンプルの種類	Cell culture supernatant, Serum, Plasma
アッセイタイプ	Sandwich (quantitative)
検出感度	< 1.5 pg/ml
検出範囲	2.05 pg/ml - 500 pg/ml
添加回収試験	96 %

特定サンプルでの回収試験

サンプルの種類	平均 %	測定範囲
Cell culture supernatant	97.36	84% - 107%
Serum	96.43	82% - 105%
Plasma	94.64	81% - 104%

ステップ	Multiple steps standard assay
種交差性	**交差種:** Mouse
製品の概要	Abcam's VCAM1 Mouse ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of mouse VCAM1 in serum, plasma and cell culture supernatants. This assay employs an antibody specific for Mouse VCAM1 coated on a 96-well plate. Standards and samples are pipetted into the wells and VCAM1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse VCAM1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of VCAM1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
試験プラットフォーム	Microplate

製品の特性

保存方法 Store at -20°C. Please refer to protocols.

内容	1 x 96 tests
120X HRP-Streptavidin Concentrate	1 x 200µl
20X Wash Buffer	1 x 25ml
5X Assay Diluent B	1 x 15ml
Assay Diluent A	2 x 30ml
Biotinylated anti-Mouse VCAM1	2 vials
Recombinant Mouse VCAM1 Standard (lyophilized)	2 vials
Stop Solution	1 x 8ml
TMB One-Step Substrate Reagent	1 x 12ml
VCAM1 Microplate (12 strips x 8 wells)	1 unit

機能 Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the beta-1 integrin VLA4 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.

組織特異性 Expressed on inflammed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflammed tissue.

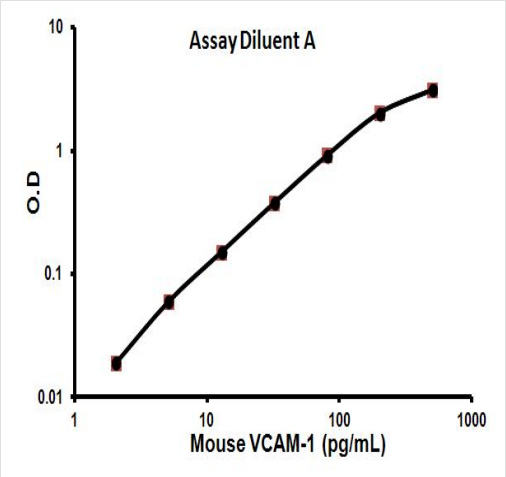
配列類似性 Contains 7 Ig-like C2-type (immunoglobulin-like) domains.

ドメイン Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion.

翻訳後修飾 Sialoglycoprotein.

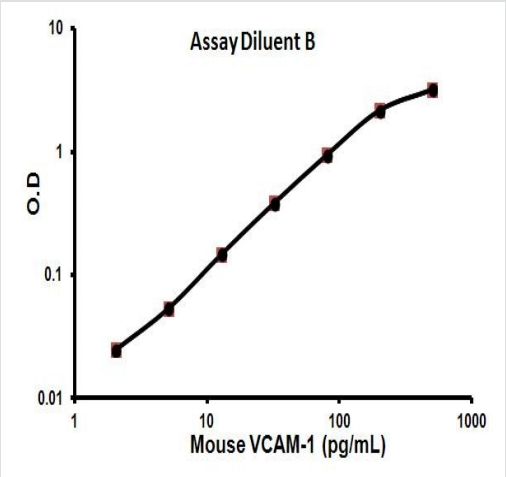
細胞内局在 Membrane.

画像



Representative Standard Curve

Representative Standard Curve using ab100750



Representative Standard Curve

Representative Standard Curve using ab100750

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