

Anti-CD99 antibody [EPR3096] ab108297

リコンビナント **RabMAb**

5 References [画像数 9](#)

製品の概要

製品名	Anti-CD99 antibody [EPR3096]
製品の詳細	Rabbit monoclonal [EPR3096] to CD99
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P, Flow Cyt, ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: THP-1, Jurkat, U937, Molt-4, HuT-78, and HUVEC cell lysates. IHC: Human pancreas, Human tonsil and Human uterus tissues IP: HUVEC cells. ICC/IF: Jurkat cells. Flow Cyt: Molt-4 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

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. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA disodium salt, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR3096
アイソタイプ	IgG

アプリケーション

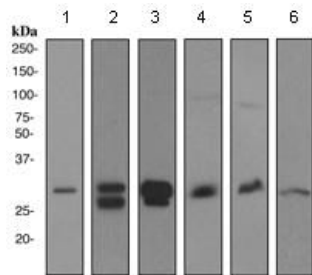
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab108297の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 28, 32 kDa (predicted molecular weight: 19 kDa).
IP		1/10 - 1/100.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Perform antigen retrieval before commencing with IHC staining protocol.
Flow Cyt		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/250 - 1/500.

ターゲット情報

機能	Involved in T-cell adhesion processes. It is involved in spontaneous rosette formation with erythrocytes.
配列類似性	Belongs to the CD99 family.
翻訳後修飾	Extensively O-glycosylated.
細胞内局在	Membrane.

画像



Western blot - Anti-CD99 antibody [EPR3096] (ab108297)

All lanes : Anti-CD99 antibody [EPR3096] (ab108297) at 1/1000 dilution

Lane 1 : THP-1 cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : U937 cell lysate

Lane 4 : Molt-4 cell lysate

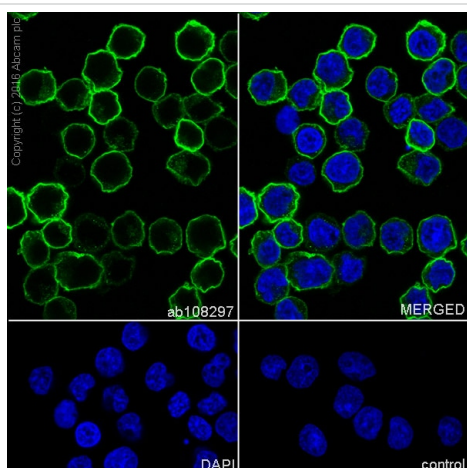
Lane 5 : HuT-78 cell lysate

Lane 6 : HUVEC cell lysate

Lysates/proteins at 10 µg per lane.

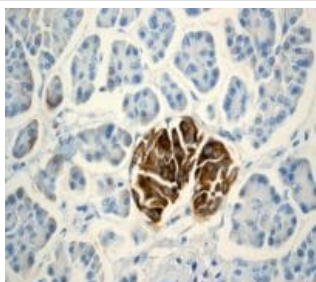
Predicted band size: 19 kDa

Observed band size: 28,32 kDa



Immunocytochemistry/ Immunofluorescence - Anti-CD99 antibody [EPR3096] (ab108297)

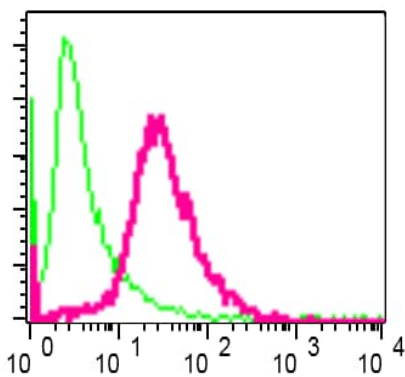
Immunocytochemistry/Immunofluorescence analysis of Jurkat (Human T cell leukemia cell line from peripheral blood) labelling CD99 with purified ab108297 at 1/500. Cells were fixed with 4% PFA and permeabilized with 0.1% triton X-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD99 antibody [EPR3096] (ab108297)

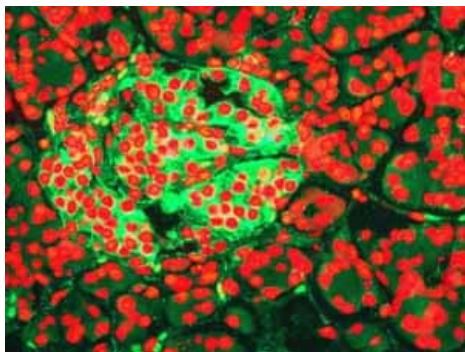
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using ab108297 at a dilution of 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow cytometric analysis of Molt-4 cells using anti-CD99 RabMAb (red) (ab108297) or a rabbit IgG (negative) (green).

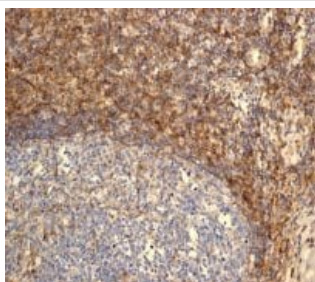
Flow Cytometry - Anti-CD99 antibody [EPR3096]
(ab108297)



Fluorescent immunohistochemical analysis of paraffin-embedded human normal pancreas tissue using ab108297. Green-CD99 red-PI

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

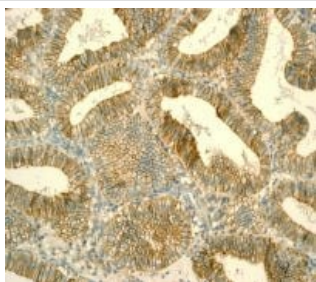
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD99 antibody [EPR3096] (ab108297)



Immunohistochemical staining of paraffin-embedded Human tonsil tissue using ab108297 at a dilution of 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

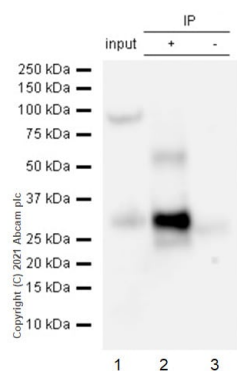
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD99 antibody [EPR3096] (ab108297)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD99 antibody [EPR3096] (ab108297)

Immunohistochemical staining of paraffin-embedded Human uterus tissue using ab108297 at a dilution of 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CD99 antibody [EPR3096] (ab108297)

CD99 was immunoprecipitated from 0.35 mg HUVEC (Human umbilical vein endothelial cell) whole cell lysate 10 µg with 108297 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: HUVEC (Human umbilical vein endothelial cell) whole cell lysate 10 µg

Lane 2: ab108297 IP in HUVEC whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab108297 in HUVEC whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

CD99 homodimer was reported in literature. (PMID:18160845)

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Anti-CD99 antibody [EPR3096] (ab108297)

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