Product datasheet

Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free ab271889

リコンビナント RabMAb

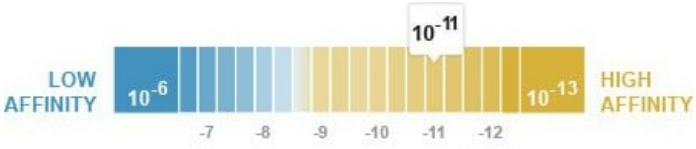
3 Abreviews 画像数 10

製品の概要

製品名	Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR4166(2)] to CD103 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P
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	IHC-P: Human colon, tonsil, stomach and ileum tissues.
特記事項	Clone EPR4166(2) is different from clone EPR4166. ab271889 is a carrier free format of **ab129202**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
解離定数（K_D 値）	K_D = 1.62 x 10 $^{-11}$ M



Learn more about K_D

バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4166(2)
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ab271889の使用に適用されます

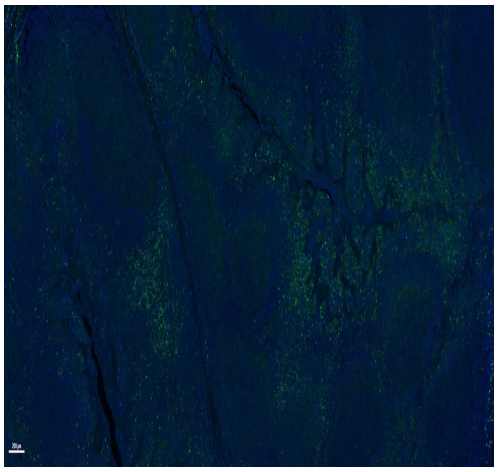
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★☆ (2)	Use at an assay dependent concentration. See **IHC antigen retrieval protocols**.

ターゲット情報

機能	Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers.
組織特異性	Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.
配列類似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.
ドメイン	The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.
細胞内局在	Membrane.

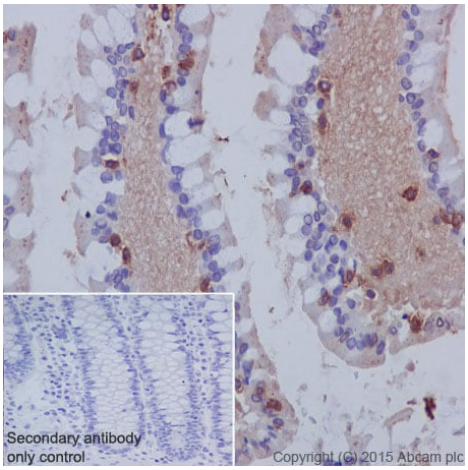
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Anti-CD103/Integrin alpha E antibody [EPR4166(2)] (**ab129202**) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD103/Integrin alpha E with **ab129202** at a dilution of 1:1000. Heat mediated antigen retrieval was performed using AR9 antigen retrieval solution, and microwave treatment for 15 min at 20% power. Anti-Rabbit/Mouse HRP polymer (PerkinElmer Opal Polymer HRP Ms Plus Rb) was used as secondary antibody. Opal tyramide amplification was performed using Opal 520 fluorophore. Counterstained with DAPI stain. Image scanned with Vectra 3.0 and analyzed via Phenochart software.
This image was courteously provided by Dr. Houssein Abdul Sater, Georgia Cancer Center.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).



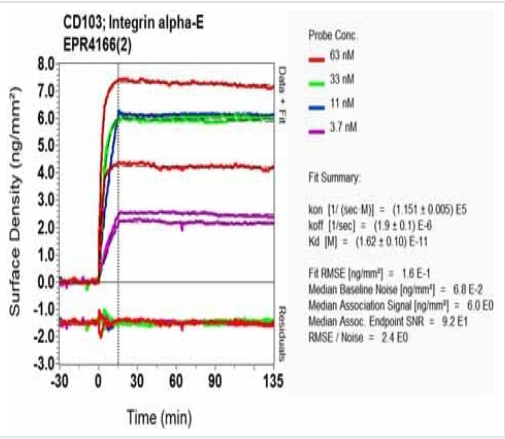
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labeling CD103 with purified **ab129202** at 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, an HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500).

Negative control using PBS instead of primary antibody (inset).

Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).



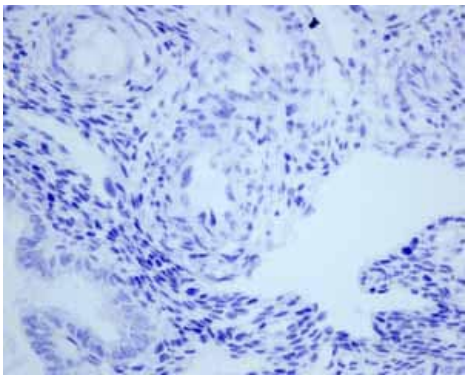
OI-RD Scanning - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

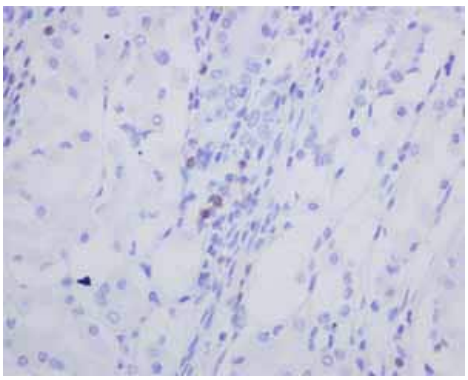


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Unpurified **ab129202** showing **negative staining** in normal uterus tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

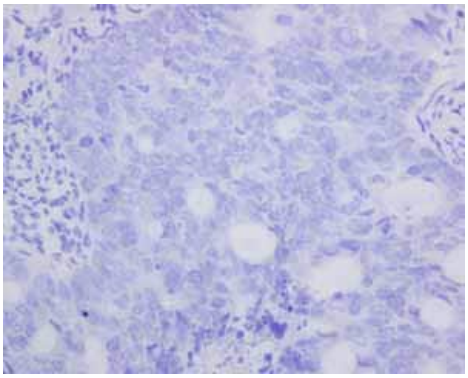


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Unpurified **ab129202** showing positive staining or CD103 in normal stomach tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

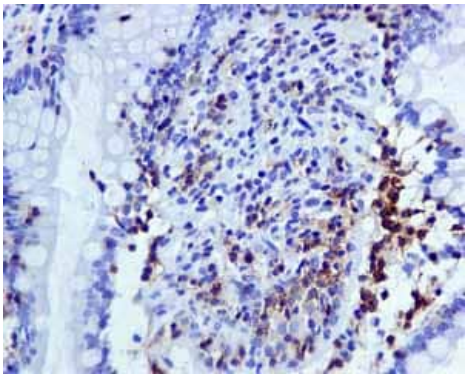


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Unpurified **ab129202** showing **negative staining** in colonic adenocarcinoma tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

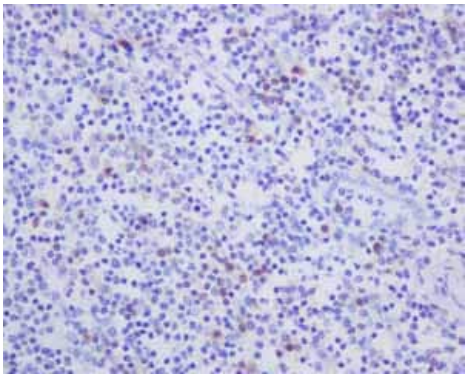


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human ileum tissue labeling CD103 with unpurified **ab129202**.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

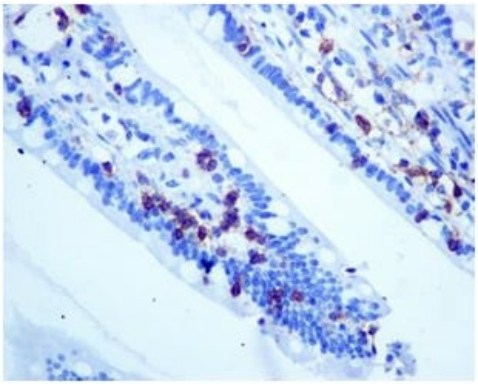


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human tonsil tissue labeling CD103 with unpurified **ab129202**.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labeling CD103 with unpurified **ab129202** at a dilution of 1/500.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab129202**).

Anti-CD103 antibody [EPR4166(2)] - BSA and Azide free (ab271889)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors