

Anti-Granzyme B antibody [EPR8260] ab134933

リコンビナント RabMAb

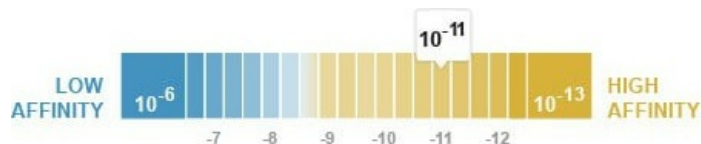
★★★★★ **2 Abreviews** **14 References** 画像数 7

製品の概要

製品名	Anti-Granzyme B antibody [EPR8260]
製品の詳細	Rabbit monoclonal [EPR8260] to Granzyme B
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, Flow Cyt
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 Hodgkins lymphoma and Human tonsil tissues WB: KARPAS-299, SR whole cell lysates; Flow cyt: No-GFP-CD16.NK-92 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.
解離定数 (K _D 値)	K _D = 7.80 x 10 ⁻¹¹ M



Learn more about K_D

バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8260
アイソタイプ	IgG

アプリケーション

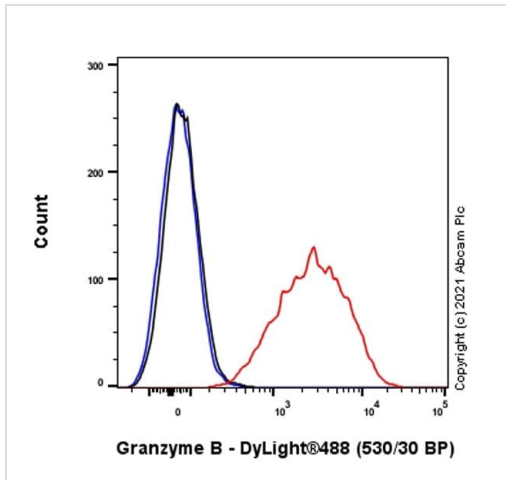
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab134933の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 28 kDa.
IHC-P	★★★★★ (2)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For antigen retrieval: heat up to 98 degrees C, below boiling, and then let cool for 10-20 min. Use of an HRP/AP polymerized secondary antibody is recommended. See IHC antigen retrieval protocols .
Flow Cyt		1/100.

ターゲット情報

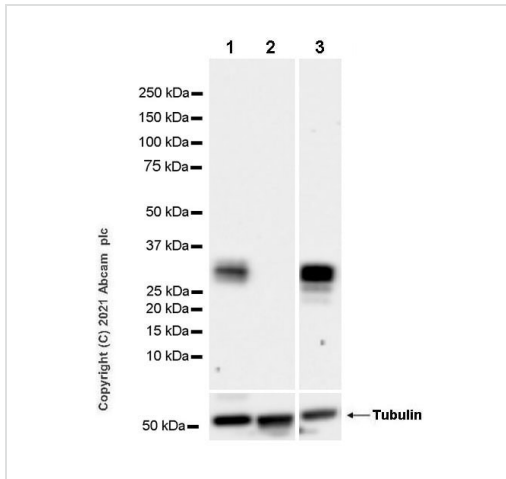
機能	This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis.
配列類似性	Belongs to the peptidase S1 family. Granzyme subfamily. Contains 1 peptidase S1 domain.
細胞内局在	Cytoplasmic granule. Cytoplasmic granules of cytolytic T-lymphocytes and natural killer cells.

画像



Flow Cytometry - Anti-Granzyme B antibody
[EPR8260] (ab134933)

Flow cytometric analysis of 4% paraformaldehyde fixed No-GFP-CD16.NK-92 Human Natural Killer cells labeling Granzyme B with ab134933 at 1/100 dilution (Red) compared with an Isotype control Rabbit monoclonal IgG (**ab172730**) (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG Alexa Fluor® 488 (**ab150081**), at 1/5000 dilution was used as the secondary antibody.



Western blot - Anti-Granzyme B antibody
[EPR8260] (ab134933)

All lanes : Anti-Granzyme B antibody [EPR8260] (ab134933) at 1/1000 dilution

Lane 1 : KARPAS-299 (human anaplastic large cell lymphoma), whole cell lysate

Lane 2 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lane 3 : SR (human pleural effusion lymphoblast, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

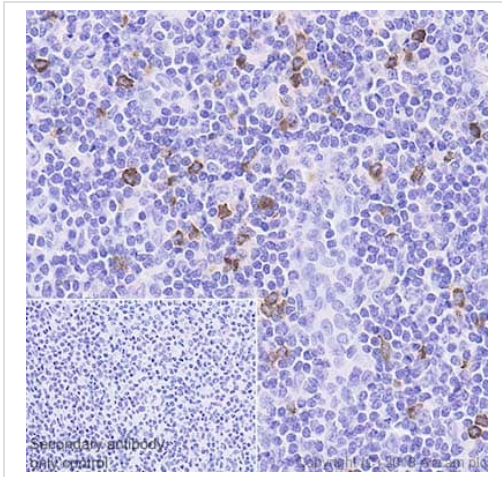
Predicted band size: 28 kDa

Observed band size: 28 kDa

Exposure time: 48 seconds

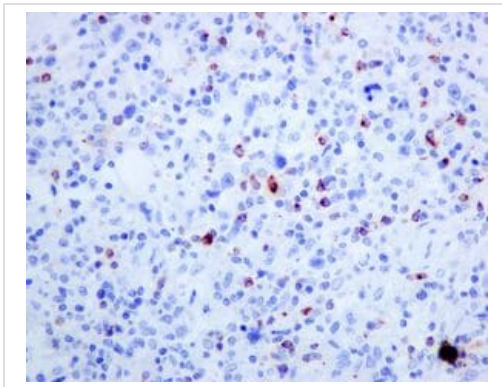
Negative control: Jurkat (PMID:18437383, 25168906).

Blocking and diluting buffer: 5% NFD/MTBST



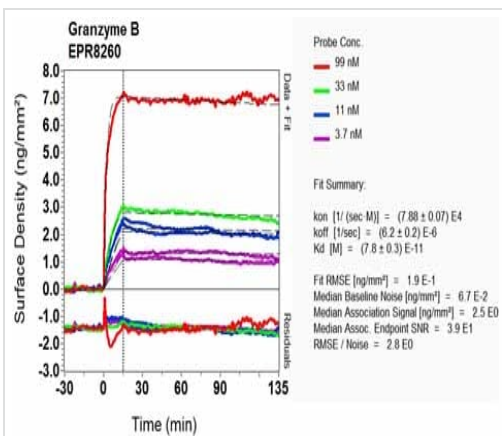
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Granzyme B antibody [EPR8260] (ab134933)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling Granzyme B with Purified ab134933 at 1:250 dilution (2.96 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Granzyme B antibody [EPR8260] (ab134933)

Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human Hodgkin's lymphoma tissue, labelling Granzyme B using unpurified ab134933 at a 1/100 dilution. Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



OIR-D Scanning - Anti-Granzyme B antibody [EPR8260] (ab134933)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Tissue Microarray (TMA) data for ab134933			
Normal tissue samples		Malignant tissue samples	
Human cardiac muscle	x	Human placenta	x
Human cerebrum	x	Human skeletal muscle	x
Human colon	x	Human skin	x
Human endometrium	x (immune cells ✓)	Human spleen	✓
Human kidney	x	Human stomach	x
Human liver	x	Human testis	x
Human lung	x	Human thyroid	x
Human mammary gland	x	Human tonsil	✓
Human pancreas	x		
		Clear cell carcinoma of human kidney	x
		Human bladder cancer	x
		Human breast carcinoma	x
		Human cervical carcinoma	x
		Human colon carcinoma	x
		Human endometrial carcinoma	x
		Human gastric adenocarcinoma	x
		Human glioma	x
		Human hepatocellular carcinoma	x
		Human Hodgkin's lymphoma	✓
		Human lung carcinoma	x
		Human non-Hodgkin's lymphoma	✓
		Human ovarian carcinoma	x
		Human pancreatic carcinoma	x
		Human prostatic hyperplasia	x
		Human thymoma	x
		Human thyroid carcinoma	x

Tissue Microarrays stained for "Anti-Granzyme B antibody [EPR8260]" using "ab134933" in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negative (cross mark) staining per sample type tested. The sections were pre-treated using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. The sections were incubated with ab134933 for 30 mins at room temperature followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Granzyme B antibody [EPR8260] (ab134933)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Granzyme B antibody [EPR8260] (ab134933)

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