abcam

Product datasheet

Anti-HLA Class 1 ABC antibody [EMR8-5] ab70328

★★★★★ **19 Abreviews**   **141 References**   4 图像

概述

产品名称	Anti-HLA Class 1 ABC抗体[EMR8-5]
描述	小鼠单克隆抗体[EMR8-5] to HLA Class 1 ABC
宿主	Mouse
特异性	ab70328 reacts with the heavy chains of human HLA class 1 A, -B, and -C.
经测试应用	**适用于：** Flow Cyt, IHC-P, WB
种属反应性	**与反应：** Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to HLA Class 1 ABC. Recombinant HLA-A*2402 extracellular domain
阳性对照	IHC-P: Human tonsil tissue sections
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	pH: 7.40 Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EMR8-5
骨髓瘤	NS1
同种型	IgG1

轻链类型	kappa

应用

The Abpromise guarantee	Abpromise™承诺保证使用ab70328于以下的经测试应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
Flow Cyt	★★☆☆☆ (1)	Use 1-2µg for 10^6 cells. (methanol or paraformaldehyde fixed cells) **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (9)	Use a concentration of 0.05 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (2)	Use at an assay dependent concentration.

靶标

相关性	HLA-ABC antigen is present on most nucleated cells of humans and Old World monkeys. HLA CLass I is involved in the presentation of foreign antigens to the immune system.
细胞定位	Cell Membrane; Single-pass type I membrane protein

图片

Western blot - Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)

All lanes : Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)
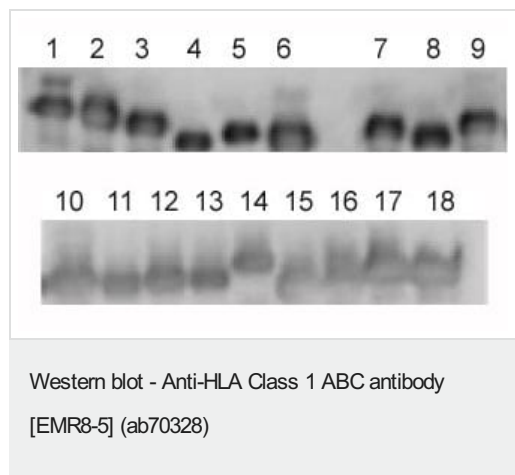
Lane 1 : A*2402
Lane 2 : A*0101
Lane 3 : A*1101
Lane 4 : A*0201
Lane 5 : A*0207
Lane 6 : A2402
Lane 7 : B*0702
Lane 8 : B*0801
Lane 9 : B*1501
Lane 10 : B*3501
Lane 11 : B*4001
Lane 12 : B*4002
Lane 13 : B*4006
Lane 14 : B*4403
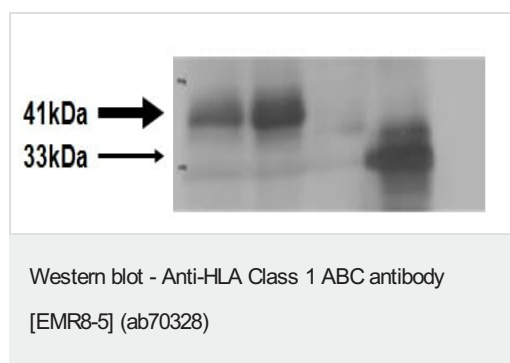**Lane 15 :** Cw*0102

Lane 16 : Cw*0801
Lane 17 : Cw*1202
Lane 18 : Cw*1502

Western blot analysis of ab70328 reactivity using recominant HLA heavy chains.

Lanes 1-6: HLA-A

Lanes 7-14: HLA-B

Lanes 15-18: HLA-C

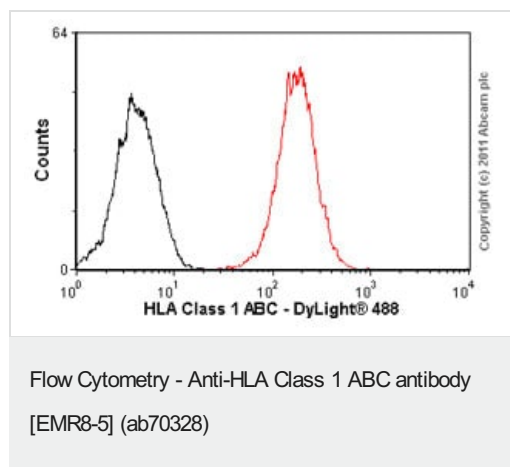Western blot - Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)

All lanes : Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)

Lane 1 : Human oral cancer cell line OSC20
**Lane 2 :** HLA-A2402 gene transfected OSC20
Lane 3 : Human Leukemia cell line K562
Lane 4 : Recombinant HLA-A2402 heavy chain

Flow Cytometry - Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)

Overlay histogram showing Jurkat cells stained with ab70328 (red line). The cells were fixed with methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab70328, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min) used under the same conditions.

Please note that Abcam do not have data for use of this antibody on non-fixed cells. We welcome any customer feedback.
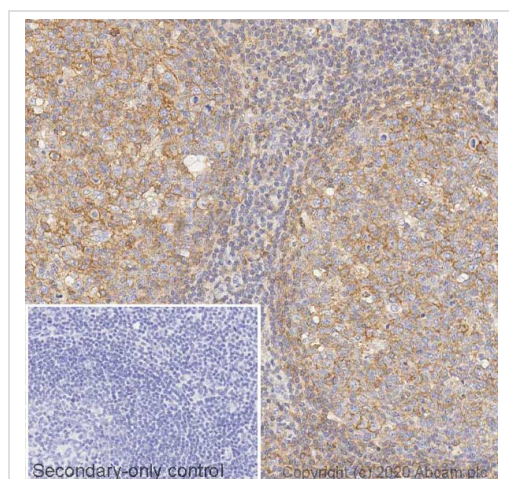
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA Class 1 ABC antibody [EMR8-5] (ab70328)

 IHC image of HLA Class 1 ABC staining in a section of formalin-fixed paraffin-embedded normal human tonsil* performed on a Leica BOND™ system using the standard protocol. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab70328, 0.05ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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