abcam

Product datasheet

Anti-MHC class I antibody [OX18] ab6405

★★★★☆ **1 Abreviews**   **1 References**   2 图像

概述

产品名称	Anti-MHC class I抗体[OX18]
描述	小鼠单克隆抗体[OX18] to MHC class I
宿主	Mouse
经测试应用	**适用于：** IHC-Fr, Flow Cyt
种属反应性	**与反应：** Rat
	预测可用于： Human ⚠
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-Fr: Normal rat placenta tissue. Flow Cyt: Lewis rat splenocytes.
常规说明	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**.
	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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
纯度	Protein G purified
克隆	单克隆
克隆编号	OX18
同种型	IgG1

轻链类型	kappa

应用

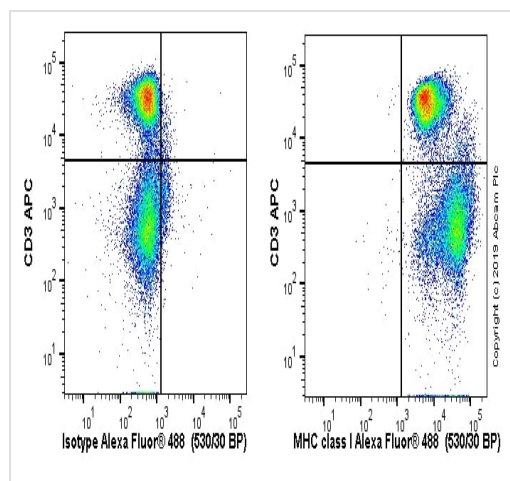| 应用	Ab评论	说明
IHC-Fr	★★★★☆ (1)	Use a concentration of 1 µg/ml.
Flow Cyt		Use at an assay dependent concentration.

靶标

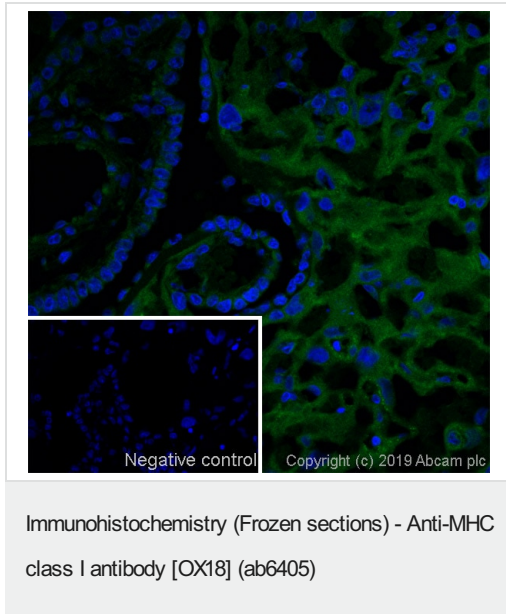|	
相关性	MHC Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. MHC class I antigens are heterodimers consisting of one alpha chain (44kDa) with beta 2 microglobulin (11.5 kDa). The antigen is expressed by all somatic cells at varying levels. MHC Class I molecules are expressed on most nucleated cells where they present endogenously synthesized antigenic peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells. Fibroblasts or neurons however only show a low level of antigen.
细胞定位	Cell Membrane; Type I membrane protein.

图片

Flow Cytometry - Anti-MHC class I antibody [OX18] (ab6405)

Lewis rat splenocytes stained with ab6405 (right) or mouse IgG1 kappa; (**ab170190**) isotype (left). Cells were incubated for 30 min on ice in 1x PBS containing 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab6405) or mouse IgG1 kappa; (**ab170190**) isotype (1x 10^6 in 100 µL at 0.2 µg/mL) for 30 min on ice. The secondary antibody Goat anti-mouse IgG H&L (Alexa Fluor® 488, pre-adsorbed) (**ab150117**) was used at 1/2000 dilution for 30 min on ice. The cells were simultaneously stained with CD3. Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on live single cells.

Immunohistochemistry (Frozen sections) - Anti-MHC class I antibody [OX18] (ab6405)

IHC image of MHC Class I staining in a section of frozen normal rat placenta*.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab6405 (shown in green) at 1 µg/ml. The section was then incubated with **ab150117** (Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 488, 1/1000)) presabsorbed for 1 hour at room temperature. The secondary-only control image is taken from an identical assay without primary antibody. The section was then mounted using Fluoromount® .

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

For IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antibody concentrations and incubation times.

*Tissue obtained from Charles River.

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