abcam

Product datasheet

# Anti-HLA Class I antibody [W6/32] ab22432

Recombinant

★★★★★ 1 Abreviews 32 References 4 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-HLA Class I antibody [W6/32] |
| **Description** | Mouse monoclonal [W6/32] to HLA Class I |
| **Host species** | Mouse |
| **Tested applications** | **Suitable for:** Flow Cyt, ICC/IF, IHC-Fr |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Tissue, cells or virus corresponding to Human HLA Class I. Purified human tonsil lymphocyte membranes. |
| **Positive control** | IHC-Fr: Human heart tissue. ICC/IF: HeLa cells. Flow Cyt: Jurkat cells. |
| **General notes** | This product has switched from a hybridoma to recombinant production method on 25th March 2024.<br>This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**. |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| **Storage buffer** | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine) |
| **Purity** | Protein A purified |
| **Clonality** | Monoclonal |
| **Clone number** | W6/32 |
| **Myeloma** | NS1/1-Ag4-1 |

**Isotype** IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab22432 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

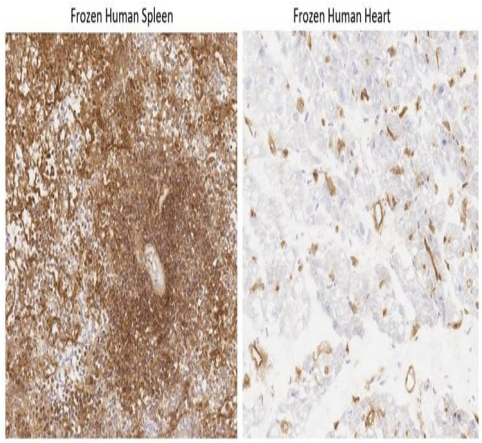
| Application | Abreviews | Notes |
|---|---|---|
| **Flow Cyt** | | Use a concentration of 0.2 µg/ml. |
| **ICC/IF** | ★★★★★ (1) | Use a concentration of 1 µg/ml. |
| **IHC-Fr** | | Use a concentration of 0.05 µg/ml. |

## Target

**Relevance** HLA CLass I is involved in the presentation of foreign antigens to the immune system.

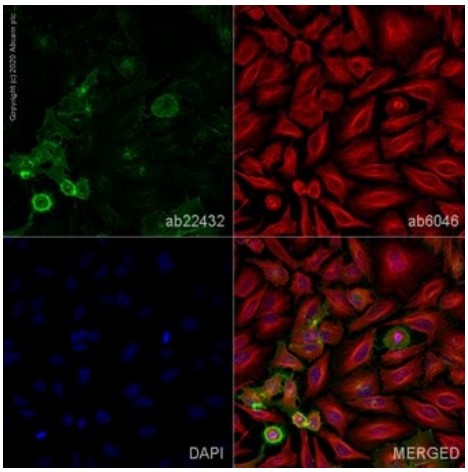
**Cellular localization** Plasma membrane

## Images



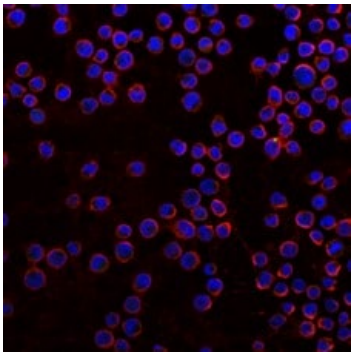

Immunohistochemistry (Frozen sections) - Anti-HLA Class I antibody [W6/32] (ab22432)

Immunohistochemical analysis of ab22432 10% paraformaldehyde fixed endothelial cells in frozen Human spleen tissue Human heart tissue labeling HLA Class I with ab22432 at 0.05µg/ml. 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.



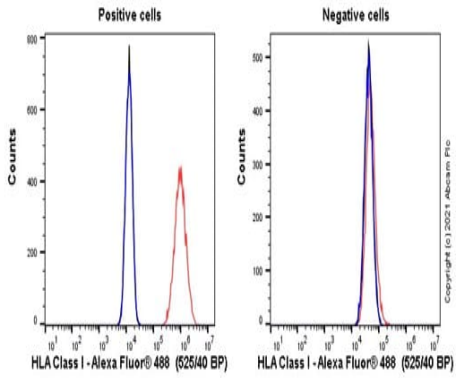

Immunocytochemistry/ Immunofluorescence - Anti-HLA Class I antibody [W6/32] (ab22432)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% PBS-Tween permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labelling HLA Class I with ab22432 at 1µg/mL, blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab92494** at 1µg/mL and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Anti-HLA Class I antibody [W6/32] (ab22432)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% PBS-Tween permeabilized negative cell line K562 labelling HLA Class I with ab22432 at 1µg/mL, blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with **ab227805** at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 100% methanol (5 min). Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.




Flow Cytometry - Anti-HLA Class I antibody [W6/32] (ab22432)

Flow cytometry overlay histogram showing left Jurkat positive cells and right negative K562 cells stained with ab22432 (red line). The cells were incubated in 1x PBS containing 10 % normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab22432) ($1x10^6$ 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 for 30 min on ice. Isotype control antibody (black line) was mouse IgG2aκ (**ab18413**) used at the same concentration and conditions as the primary antibody. Unlabeled sample (blue line) was also used as a control. Acquisition of >5000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter.



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