

CD8A Rabbit PolymAb®

Catalog No.: A23305PM **2 Publications**

Basic Information

Observed MW

40kDa

Calculated MW

21kDa/25kDa/30kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, mIHC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000**IHC-P** 1:200 - 1:2000**IF/ICC** 1:50-1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

925/12525

Swiss Prot

P01732/P01731

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CD8A; CD8; Leu2; MAL; p32

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

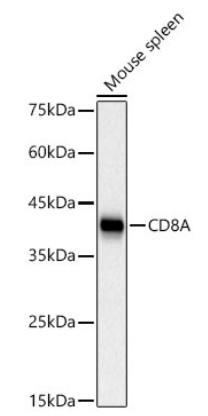
Affinity purification

Storage

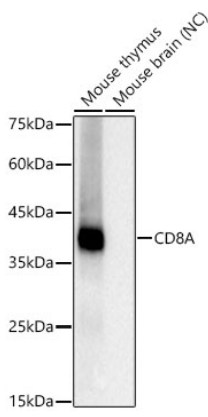
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

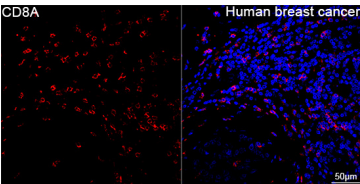
Validation Data



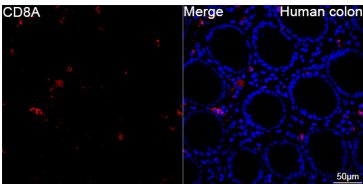
Western blot analysis of lysates from Mouse spleen using CD8A Rabbit PolymAb® (A23305PM) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



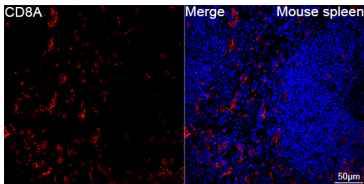
Western blot analysis of various lysates, using CD8A Rabbit PolymAb® (A23305PM) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Mouse brain
Exposure time: 10s.



Confocal imaging of paraffin-embedded Human breast cancer tissue using CD8A Rabbit PolymAb® (A23305PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

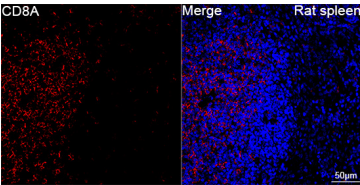


Confocal imaging of paraffin-embedded Human colon tissue using CD8A Rabbit PolymAb® (A23305PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

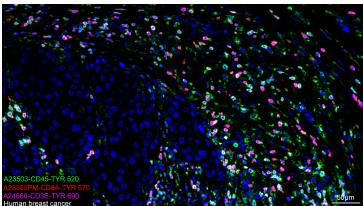


Confocal imaging of paraffin-embedded Mouse spleen tissue using CD8A Rabbit PolymAb® (A23305PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

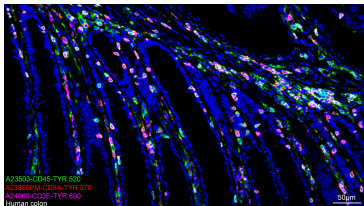
Validation Data



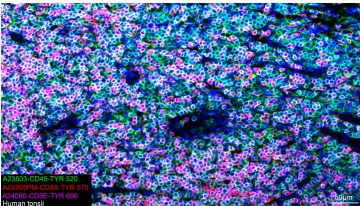
Confocal imaging of paraffin-embedded Rat spleen tissue using CD8A Rabbit PolymAb® (A23305PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



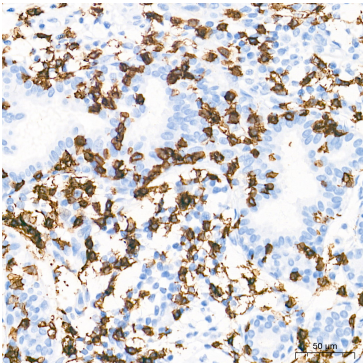
The multiplex IHC analysis on paraffin-embedded Human breast cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit mAb (A23503, 1:5000) with TSA-TYR-520 (Green), CD8A Rabbit mAb (A23305PM, 1:1000) with TSA-TYR-570 (Red), and CD3E Rabbit mAb (A24060, 1:200) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.



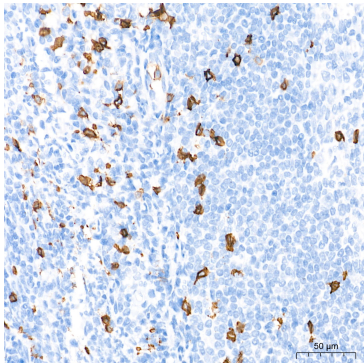
The multiplex IHC analysis on paraffin-embedded Human colon tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit mAb (A23503, 1:5000) with TSA-TYR-520 (Green), CD8A Rabbit mAb (A23305PM, 1:1000) with TSA-TYR-570 (Red), and CD3E Rabbit mAb (A24060, 1:200) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.



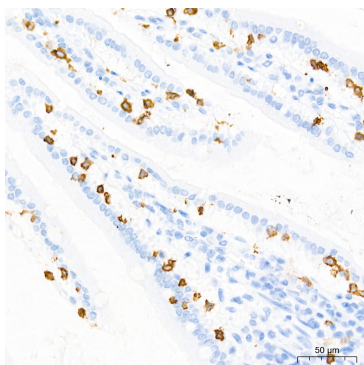
The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit mAb (A23503, 1:5000) with TSA-TYR-520 (Green), CD8A Rabbit mAb (A23305PM, 1:1000) with TSA-TYR-570 (Red), and CD3E Rabbit mAb (A24060, 1:200) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.



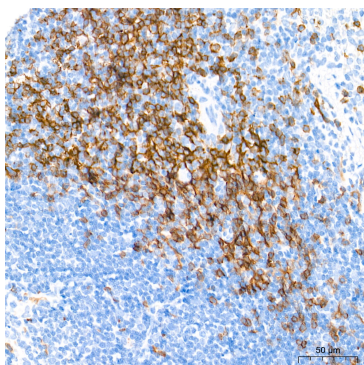
Immunohistochemistry analysis of paraffin-embedded Human breast tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



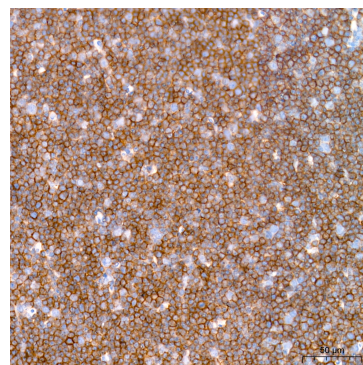
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



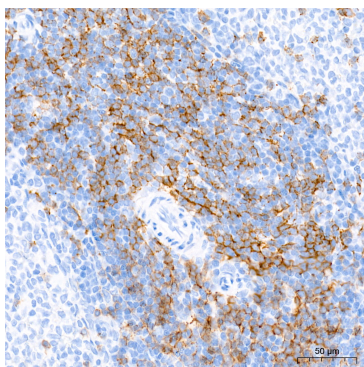
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using CD8A Rabbit PolymAb® (A23305PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.