

CD8a Monoclonal Antibody (AMC908), eFluor™ 660, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), eFluor™ 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AMC908
Conjugate	eFluor™ 660
Excitation/Emission Max	651/668 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574148

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	1 Publication
Immunocytochemistry (ICC/IF)	Assay-Dependent	-

Product Specific Information

Description: This AMC908 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha beta) or as a homodimer (CD8 alpha alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells.

Applications Reported: This AMC908 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and microscopy.

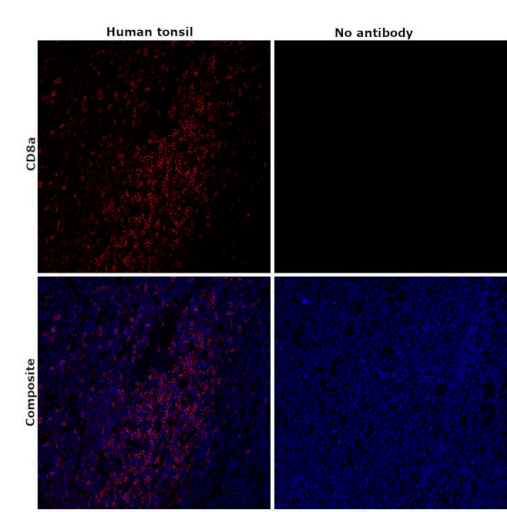
Applications Tested: This AMC908 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded human tissue using high pH antigen retrieval and can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

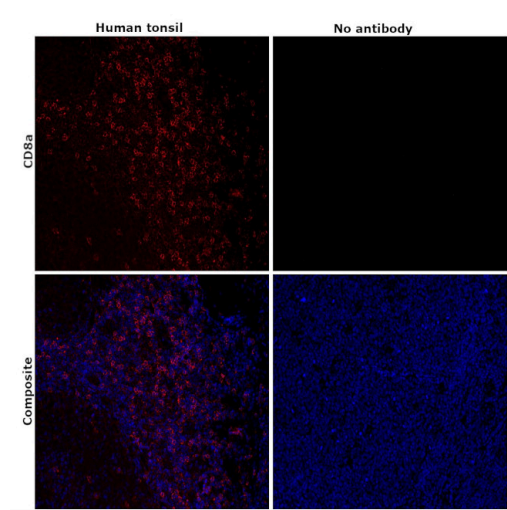
Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD8a Monoclonal Antibody (AMC908), eFluor™ 660, eBioscience™



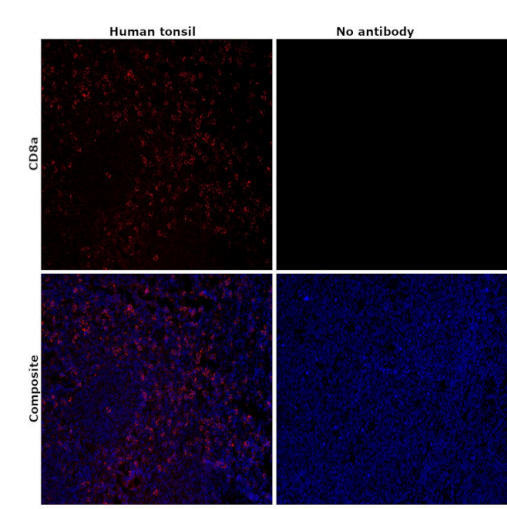
CD8a Antibody (50-0008-80) in IHC (P)

Immunohistochemical analysis of CD8a was performed using formalin-fixed paraffin-embedded human tonsil tissue sections. To expose the target protein, heat-induced epitope retrieval was performed on de-paraffinized sections using eBioscience™ IHC Antigen Retrieval Solution - High pH (10X) (Product # 00-4956-58) diluted to 1X solution in water in a decloaking chamber at 110 degree Celsius for 15 minutes. Following antigen retrieval, the sections were blocked with 2% normal goat serum in 1X PBS for 45 minutes at room temperature and then probed with or without CD8a Monoclonal Antibody (AMC908), eFluor™ 660, eBioscience™ (Product # 50-0008-82) at 1:100 dilution in 0.1% normal goat serum overnight at 4 degree Celsius in a humidified chamber. ReadyProbes™ Tissue Autofluorescence Quenching Kit (Product # R37630) was used to quench autofluorescence from the tissues. Nuclei were stained with DAPI (Product # D1306) and the sections were mounted using ProLong™ Glass Antifade Mountant (Product # P36984). The images were captured on EVOS™ M7000 Imaging System (Product # AMF7000) at 20X magnification and externally deconvoluted.



CD8a Antibody (50-0008-80) in IHC (P)

Immunohistochemical analysis of CD8a was performed using formalin-fixed paraffin-embedded human tonsil tissue sections. To expose the target protein, heat-induced epitope retrieval was performed on de-paraffinized sections using eBioscience™ IHC Antigen Retrieval Solution - High pH (10X) (Product # 00-4956-58) diluted to 1X solution in water in a decloaking chamber at 110 degree Celsius for 15 minutes. Following antigen retrieval, the sections were blocked with 2% normal goat serum in 1X PBS for 45 minutes at room temperature and then probed with or without CD8a Monoclonal Antibody (AMC908), eFluor™ 660, eBioscience™ (Product # 50-0008-82) at 1:100 dilution in 0.1% normal goat serum overnight at 4 degree Celsius in a humidified chamber. ReadyProbes™ Tissue Autofluorescence Quenching Kit (Product # R37630) was used to quench autofluorescence from the tissues. Nuclei were stained with DAPI (Product # D1306) and the sections were mounted using ProLong™ Glass Antifade Mountant (Product # P36984). The images were captured on EVOS™ M7000 Imaging System (Product # AMF7000) at 20X magnification and externally deconvoluted.



CD8a Antibody (50-0008-80) in IHC (P)

Immunohistochemical analysis of CD8a was performed using formalin-fixed paraffin-embedded human tonsil tissue sections. To expose the target protein, heat-induced epitope retrieval was performed on de-paraffinized sections using eBioscience™ IHC Antigen Retrieval Solution - Low pH (10X) (Product # 00-4955-58) diluted to 1X solution in water in a decloaking chamber at 110 degree Celsius for 15 minutes. Following antigen retrieval, the sections were blocked with 2% normal goat serum in 1X PBS for 45 minutes at room temperature and then probed with or without CD8a Monoclonal Antibody (AMC908), eFluor™ 660, eBioscience™ (Product # 50-0008-82) at 1:100 dilution in 0.1% normal goat serum overnight at 4 degree Celsius in a humidified chamber. ReadyProbes™ Tissue Autofluorescence Quenching Kit (Product # R37630) was used to quench autofluorescence from the tissues. Nuclei were stained with DAPI (Product # D1306) and the sections were mounted using ProLong™ Glass Antifade Mountant (Product # P36984). The images were captured on EVOS™ M7000 Imaging System (Product # AMF7000) at 20X magnification and externally deconvoluted.

4 References

Immunohistochemistry (3)

Cell

Vascular Disease and Thrombosis in SARS-CoV-2-Infected Rhesus Macaques.

"50-0008 was used in Immunohistochemistry to suggest a model in which critical interactions between inflammatory and thrombosis pathways lead to SARS-CoV-2-induced vascular disease."

Authors: Aid M,Busman-Sahay K,Vidal SJ,Maliga Z,Bondoc S,Starke C,Terry M,Jacobson CA,Wrijil L,Ducat S,Brook OR,Miller AD,Porto M,Pellegrini KL,Pino M,Hoang TN,Chandrashekar A,Patel S,Stephenson K,Bosinger SE,Andersen H,Lewis MG,Hecht JL,Sorger PK,Martinet AJ,Estes JD,Barouch DH

Year
2020

Species
Human

Scientific data

Highly multiplexed immunofluorescence images and single-cell data of immune markers in tonsil and lung cancer.

"Published figure using CD8a monoclonal antibody (Product # 50-0008-82) in Immunohistochemistry"

Authors: Rashid R,Gaglia G,Chen YA,Lin JR,Du Z,Maliga Z,Schapiro D,Yapp C,Muhlich J,Sokolov A,Sorger P, Santagata S

Year
2019

Species
Human

View more IHC references on thermofisher.com

Immunohistochemistry (Paraffin) (1)

Scientific data

Highly multiplexed immunofluorescence images and single-cell data of immune markers in tonsil and lung cancer.

"Published figure using CD8a monoclonal antibody (Product # 50-0008-82) in Immunohistochemistry"

Authors: Rashid R,Gaglia G,Chen YA,Lin JR,Du Z,Maliga Z,Schapiro D,Yapp C,Muhlich J,Sokolov A,Sorger P, Santagata S

Year
2019

Species
Human

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