

Anti-CD8 alpha Antibody (90552)

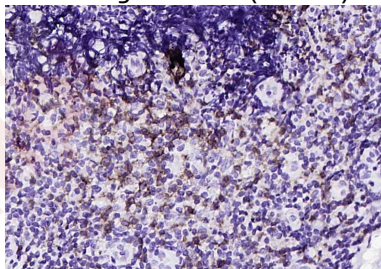
Product Details

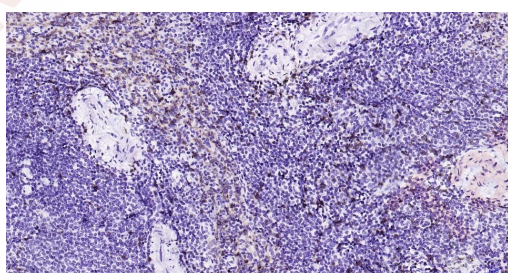
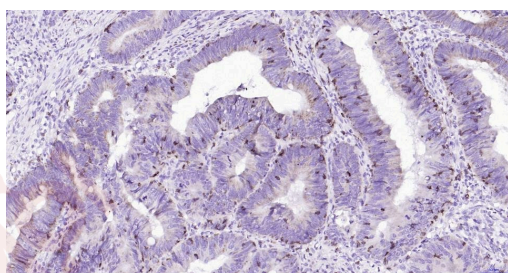
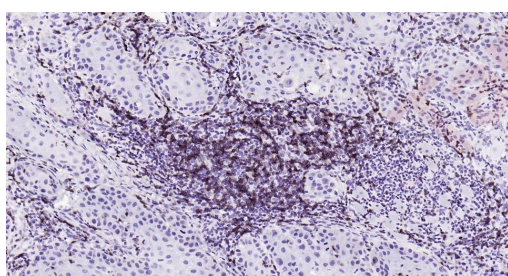
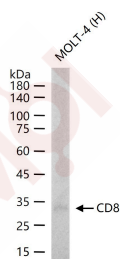
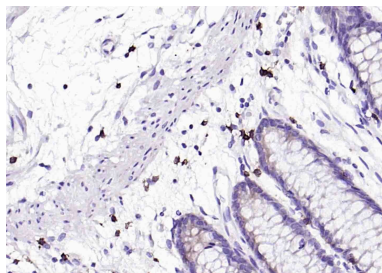
Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 27 kDa. Actual: 32 kDa.
Clone:	90552
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (TMAB-00391) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (TMAB-00391) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. 25 µg total protein per Lane of various lysates probed with CD8 monoclonal antibody, unconjugated (TMAB-00391) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
4. Paraformaldehyde-fixed, paraffin embedded (human squamous cell lung cancer); Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (TMAB-00391) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (human colon cancer); Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (TMAB-00391) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (TMAB-00391) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CD8
Antigen Species:	Human
Gene ID:	925
Uniprot ID:	P01732
Synonyms:	p32;CD8a;OKT8 T-cell antigen;Leu2;CD8a molecule;Lyt-2;CD8 α /CD8A;MAL;CD8
Biology Area:	Cytotoxic Cells,CD,CD markers

Research 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. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020]

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