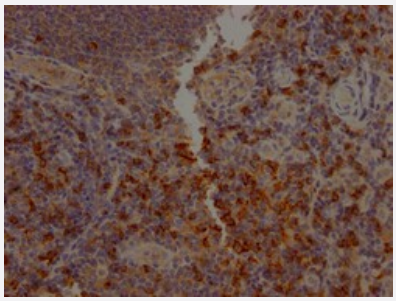
RecomAb™ Sm Size

CD8A recombinant monoclonal antibody, clone 2F2

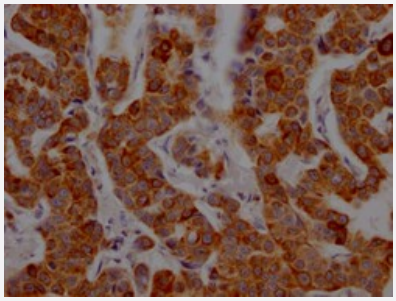
Catalog # RAB08299 Size 50 uL

Applications



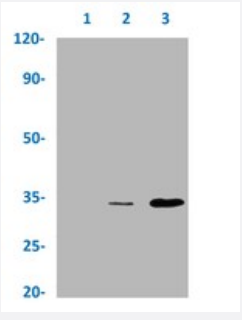
Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with CD8A recombinant monoclonal antibody (diluated at 1:100).



Immunohistochemistry

Immunohistochemical staining of human breast cancer with CD8A recombinant monoclonal antibody (diluated at 1:100).



Immunoprecipitation

Immunoprecipitation analysis of HepG2 cell lysate with CD8A recombinant monoclonal antibody.
Lane 1: rabbit control IgG,
Lane 2: RAB08299 precipitates and
Lane 3: Input (HepG2 whole cell lysates).

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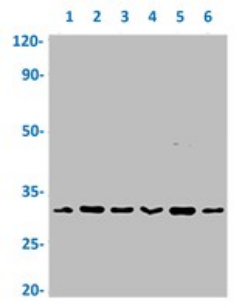

Western Blot

Western blot analysis of
Lane 1: MCF-7 whole cell lysate,
Lane 2: THP-1 whole cell lysate,
Lane 3: PC3 whole cell lysate,
Lane 4: 293 whole cell lysate,
Lane 5: HepG2 whole cell lysate and
Lane 6: A549 whole cell lysate with CD8A recombinant monoclonal antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD8A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CD8A.
Theoretical MW (kDa)	Calculated MW: 26, 2
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Immunohistochemistry

  Immunohistochemical staining of human tonsil tissue with CD8A recombinant monoclonal antibody (diluated at 1:100).

- Immunohistochemistry

  Immunohistochemical staining of human breast cancer with CD8A recombinant monoclonal antibody (diluated at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitation analysis of HepG2 cell lysate with CD8A recombinant monoclonal antibody.
  Lane 1: rabbit control IgG,
  Lane 2: RAB08299 precipitates and
  Lane 3: Input (HepG2 whole cell lysates).

- Western Blot

  Western blot analysis of
  Lane 1: MCF-7 whole cell lysate,
  Lane 2: THP-1 whole cell lysate,
  Lane 3: PC3 whole cell lysate,
  Lane 4: 293 whole cell lysate,
  Lane 5: HepG2 whole cell lysate and
  Lane 6: A549 whole cell lysate with CD8A recombinant monoclonal antibody.

Gene Info — CD8A

Entrez GeneID	925
Protein Accession#	P01732
Gene Name	CD8A
Gene Alias	CD8, Leu2, MAL, p32
Gene Description	CD8a molecule
Omim ID	186910 608957
Gene Ontology	Hyperlink

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Gene Summary	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 corepressor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell (APC) 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 isoforms. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD8 antigen alpha polypeptide|CD8 antigen, alpha polypeptide (p32)|Leu2 T-lymphocyte antigen|OKT8 T-cell antigen|T cell co-receptor|T-cell antigen Leu2|T-cell surface glycoprotein CD8 alpha chain|T-lymphocyte differentiation antigen T8/Leu-2|T8 T-cell ant

Pathway

- Antigen processing and presentation
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

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