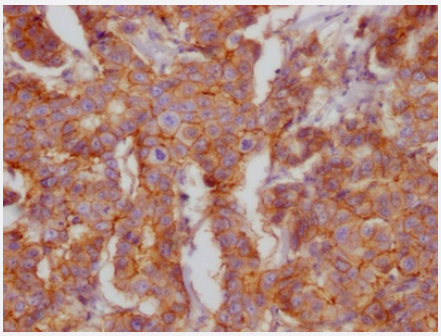
RecomAb™

CD46 recombinant monoclonal antibody, clone 7D12

Catalog # RAB07545 Size 100 uL

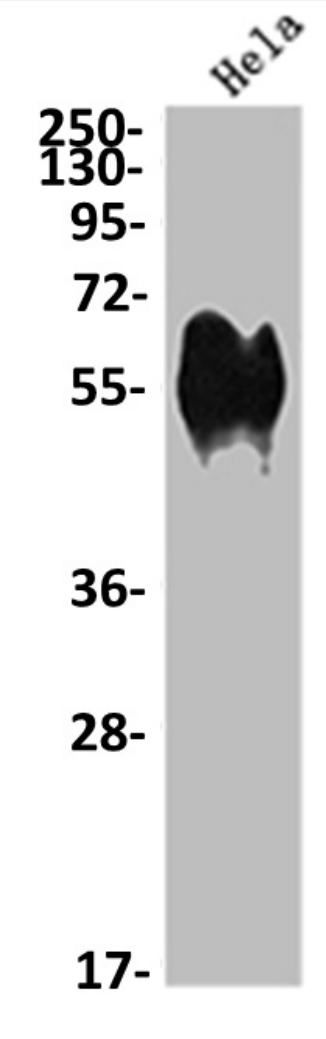
Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer with CD46 recombinant monoclonal antibody, clone 7D12 (Cat # RAB07545) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

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Western Blot (Cell lysate)

Western blot analysis of Hela whole cell lysate with CD46 recombinant monoclonal antibody, clone 7D12 (Cat # RAB07545).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD46.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CD46.
Theoretical MW (kDa)	Calculated MW: 44, 4
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG

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Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) 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, 0.02% sodium azide and 50% glycerol)
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.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast cancer with CD46 recombinant monoclonal antibody, clone 7D12 (Cat # RAB07545) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of Hela whole cell lysate with CD46 recombinant monoclonal antibody, clone 7D12 (Cat # RAB07545).

Gene Info — CD46

Entrez GeneID	4179
Protein Accession#	P15529
Gene Name	CD46
Gene Alias	MCP, MGC26544, MIC10, TLX, TRA2.10
Gene Description	CD46 molecule, complement regulatory protein
Omim ID	120920 235400
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. This gene is found in a cluster on chromosome 1q32 with other genes encoding structural components of the complement system. At least fourteen different transcript variants encoding fourteen different isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD46 antigen, complement regulatory protein|OTTHUMP00000034577|OTTHUMP00000034622|OTTHUMP00000034623|OTTHUMP00000034624|OTTHUMP00000034625|OTTHUMP00000034626|OTTHUMP00000034706|antigen identified by monoclonal antibody TRA-2-10|complement membrane cofacto

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hemolytic-Uremic Syndrome
- Leukemia
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Recurrence

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