

Product datasheet for **TA336915**

Cytokeratin 19 (KRT19) Mouse Monoclonal Antibody [Clone ID: 4E8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4E8
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry-Paraffin: 1:100-1:200, Immunocytochemistry/ Immunofluorescence: 1:25-1:200, ELISA: 1:10000, Western Blot: 1:500-1:2000, Immunohistochemistry
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Cytokeratin 19 expressed in E. coli. [UniProt# P08727]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	keratin 19
Database Link:	NP_002267 Entrez Gene 3880 Human P08727



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Background:

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

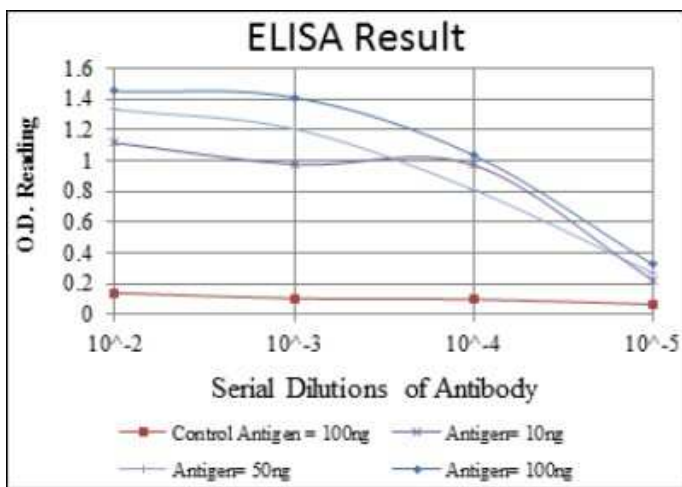
Synonyms:

CK19; K1CS; K19

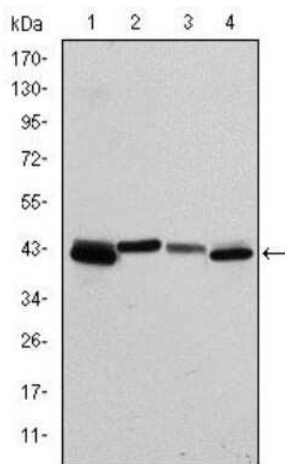
Note:

This Cytokeratin 19 (4E8) antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections, Immunocytochemistry/Immunofluorescence and ELISA.

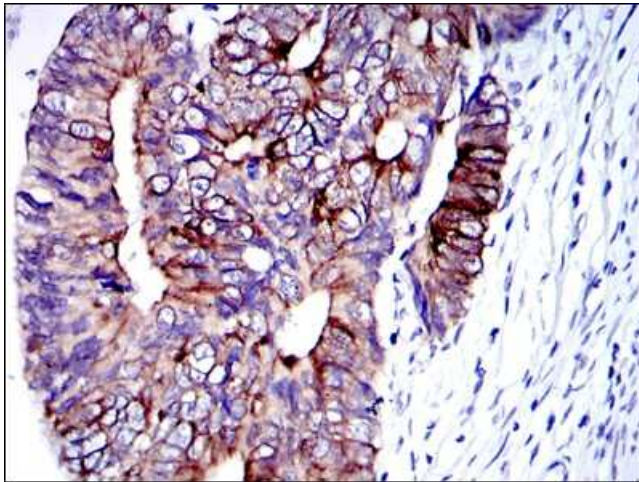
Product images:



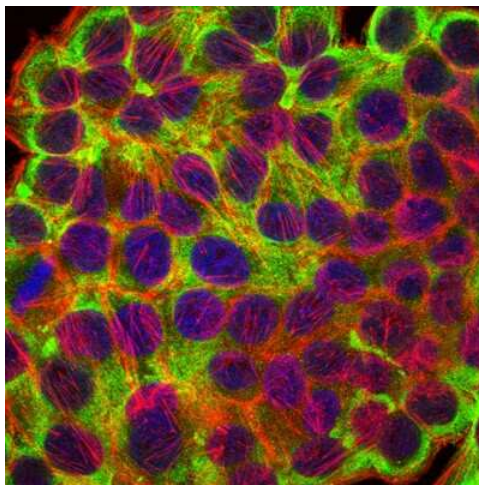
ELISA: Cytokeratin 19 Antibody (4E8) TA336915 - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



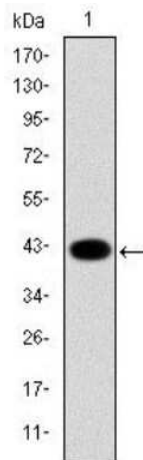
Western Blot: Cytokeratin 19 Antibody (4E8) TA336915 - Western blot analysis using Cytokeratin 19 mouse mAb against T47D (1), MCF-7 (2), HepG2 (3) and SW620 (4) cell lysate.



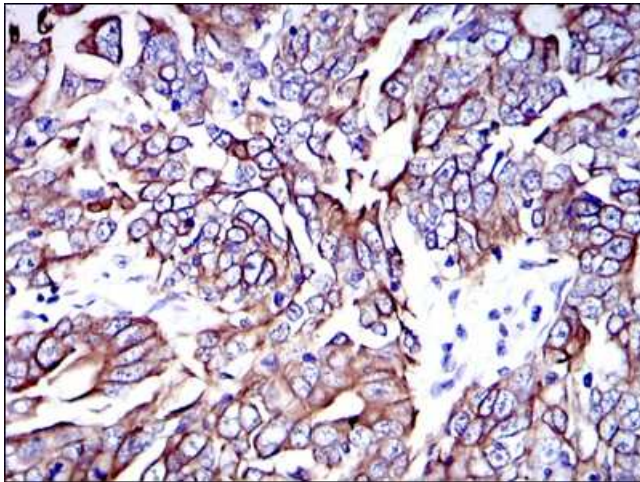
Immunohistochemistry-Paraffin: Cytokeratin 19 Antibody (4E8) TA336915 - Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using Cytokeratin 19 mouse mAb with DAB staining.



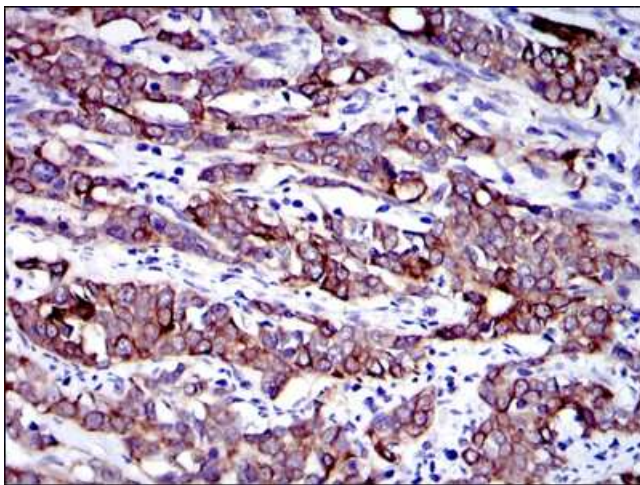
Immunocytochemistry/Immunofluorescence: Cytokeratin 19 Antibody (4E8) TA336915 - Immunofluorescence analysis of HepG2 cells using Cytokeratin 19 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blot: Cytokeratin 19 Antibody (4E8) TA336915 - Western blot analysis using Cytokeratin 19 mAb against human Cytokeratin 19 (AA: 115-269) recombinant protein. (Expected MW is 43.1 kDa)



Immunohistochemistry-Paraffin: Cytokeratin 19 Antibody (4E8) TA336915 - Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using Cytokeratin 19 mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: Cytokeratin 19 Antibody (4E8) TA336915 - Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using Cytokeratin 19 mouse mAb with DAB staining.