

## Product datasheet for **CF500019**

### Cytokeratin 19 (KRT19) Mouse Monoclonal Antibody [Clone ID: OTI2F8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F8
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:1000~2500, IHC 1:50, IF 1:100
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 240-390 of human CK19 (NP_002267) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.9 kDa
Gene Name:	Homo sapiens keratin 19 (KRT19), mRNA.
Database Link:	<a href="#">NP_002267</a> <a href="#">Entrez Gene 100685481 Dog</a> <a href="#">Entrez Gene 3880 Human</a> <a href="#">P08727</a>



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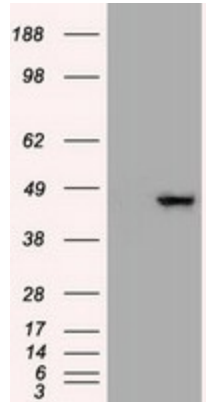
**Background:**

Keratin 19 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 envelops the developing epidermis.

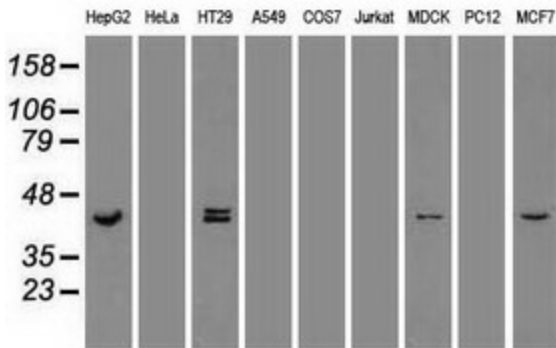
**Synonyms:**

CK19; K1CS; K19

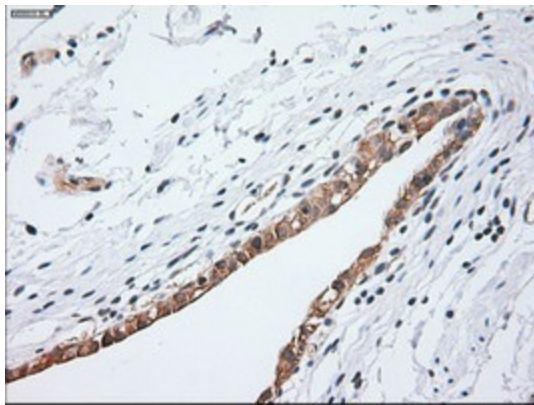
**Product images:**



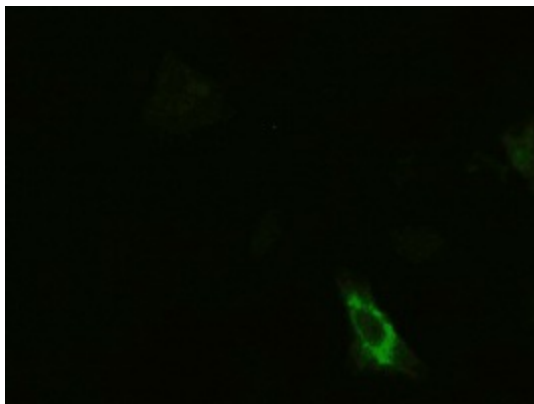
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KRT19 [RC209707], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KRT19. Positive lysates [LY419428] (100ug) and [LC419428] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-KRT19 monoclonal antibody.



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500019])



Anti-KRT19 mouse monoclonal antibody ([TA500019]) immunofluorescent staining of HELA cells transiently transfected by pCMV6-ENTRY KRT19 ([RC209707]).