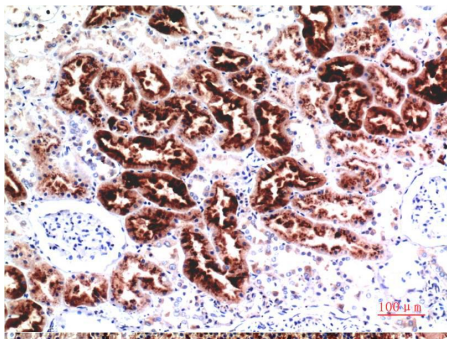
ELK Biotechnology

Cystatin C (7F11) Mouse mAb
Catalog NO.: EM1275
For research use only.

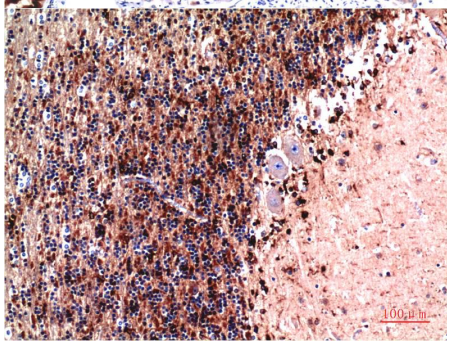
Overview

Product name	Cystatin C (7F11) Mouse Monoclonal antibody
Source	Mouse
Applications	**WB IHC ELISA**
Species reactivity	**Human**
Recommended dilutions	**WesternBlot:1/1000-2000** **Immunohistochemistry:1/100-200** **ELISA:1/10000-20000** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	**14kDa**
GeneID（Human）	1471
Human Swiss-Prot No.	P01034
Cellular localization	Secreted
Alternative Names	AD8 Cystatin3 Gamma trace HCCAA
Background	Cystatin C is a3-kDa inhibitor of cysteine proteinases which is secreted by all cell types and is completely cleared from the organism through glomerular filtration shown to be an early and sensitive biomarker of renal dysfunction. A mutation in Cystatin C has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions

establishing its role in vascular disease. In addition this protein has been shown to have an antimicrobial function inhibiting the replication of herpes simplex virus.



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using Cystatin C（EM1275）Mouse mAb diluted at:200.



Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using Cystatin C（EM1275）Mouse mAb diluted at:200.