



# Anti-CST8 monoclonal antibody (DCABH-11153)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a protein similar to type 2 cystatins. The protein exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. Alternative splicing identified in mouse is suggested in human based on EST evidence but the full-length nature of putative variants has not been determined.

<b>Immunogen</b>	A synthetic peptide of human CST8 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">CST8 cystatin 8 (cystatin-related epididymal specific) [ Homo sapiens ]</a>
Official Symbol	CST8
Synonyms	CST8; cystatin 8 (cystatin-related epididymal specific); cystatin-8; CRES; cystatin-related epididymal-specific; cystatin-related epididymal spermatogenic protein;
Entrez Gene ID	<a href="#">10047</a>
Protein Refseq	<a href="#">NP_005483</a>
UniProt ID	<a href="#">O60676</a>
Chromosome Location	20p11.21
Function	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;