



# Anti-CTSS monoclonal antibody, clone BU2G0 (DCABH-6411)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Cathepsin S
<b>Antigen Description</b>	Cathepsin family of proteases contains several diverse classes of enzymes. The cysteine protease class comprises cathepsin B, H, K, L, O, and S. The aspartyl protease class contains cathepsin D and E. Cathepsin G belongs to the serine protease class. Cathepsins are involved in various cellular events such as peptide biosynthesis, protein degradation, and apoptosis. Cathepsin S has been shown to be able to function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	BU2G0
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Positive Control</b>	A549 cell lysate
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Preservative</b>	None
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid

freeze / thaw cycle.

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**Ship**

Shipped at 4°C.

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## GENE INFORMATION

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**Gene Name** [CTSS cathepsin S \[ Homo sapiens \]](#)

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**Official Symbol** CTSS

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**Synonyms** CTSS; cathepsin S; MGC3886; FLJ50259;

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**Entrez Gene ID** [1520](#)

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**Protein Refseq** [NP\\_001186668](#)

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**UniProt ID** [P25774](#)

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**Chromosome Location** 1q21

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**Pathway** Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Endosomal/Vacuolar pathway, organism-specific biosystem;

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**Function** cysteine-type endopeptidase activity; peptidase activity;