10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-CTSC / Cathepsin C / JP Antibody

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17822

## Product Information

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|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | P53634 |
| **Predicted** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b |
| **Calculated MW** | 51854 |

## Additional Information

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| **Gene ID** | 1075 |
| **Alias Symbol** | CTSC |
| **Other Names** | CTSC, Cathepsin J, Dipeptidyl peptidase 1, Dipeptidyl peptidase I, DPP-I, Dipeptidyl transferase, Dipeptidyl-peptidase I, CPPI, DPPI, DPP1, HMS, JP, PDON1, PLS, JPD, Cathepsin C, PALS |
| **Target/Specificity** | Anti-DPPI recognizes recombinant protein DPPI. |
| **Reconstitution & Storage** | Affinity purified |
| **Precautions** | Anti-CTSC / Cathepsin C / JP Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CTSC |
| **Synonyms** | CPPI |
| **Function** | Thiol protease (PubMed: 1586157). Has dipeptidylpeptidase activity (PubMed:1586157). Active against a broad range of dipeptide substrates composed of both polar and hydrophobic amino acids (PubMed:1586157). Proline cannot occupy the P1 position and arginine cannot occupy the P2 position of the substrate (PubMed:1586157). Can act as both an exopeptidase and endopeptidase (PubMed:1586157). Activates serine proteases such as elastase, cathepsin G and granzymes A and B (PubMed:8428921). |
| **Cellular Location** | Lysosome. |
| **Tissue Location** | Ubiquitous. Highly expressed in lung, kidney and placenta. Detected at |

intermediate levels in colon, small intestine, spleen and pancreas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.