SANTA CRUZ BIOTECHNOLOGY, INC.

CPVL (h): 293 Lysate: sc-113149

BACKGROUND

Carboxypeptidases function as proteases and cleave single amino acids from the C-terminus of peptides or proteins. There are three main groups of carboxypeptidases, namely serine-, cysteine- and metallo-enzymes. CPVL (carboxypeptidase, vitellogenic-like), also known as HVLP (VCP-like protein), is a serine carboxypeptidase that is similar to the vitellogenc carboxypeptidase found in mosquito ovaries. Belonging to the peptidase S10 family, CPVL is expressed in myeloid cells of the immune system and is also found in spleen, kidneys, placenta and heart. CPVL contains four putative N-glycosylation sites and a serine carboxypeptidase active site. During monocyte maturation into macrophages, CPVL expression is induced. This suggests a possible role for CPVL in phagocytosis, antigen processing and organization of the innate immune response.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CPVL (human) mapping to 7p14.3.

PRODUCT

CPVL (h): 293 Lysate represents a lysate of human CPVL transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

CPVL (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive CPVL antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-tranfected 293 cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.