

## Anti-Cathepsin D Antibody

**CATALOG NO:** A1587-30T 30 µg (Trial size)  
A1587-100 100 µg

**ALTERNATIVE NAMES:** Procathepsin D, CTSD

**CONCENTRATION:** 0.5 mg/ml

**IMMUNOGEN:** Human recombinant Cathepsin D

**INTERNAL ID:** BV-Q53

**HOST/ISOTYPE:** Rabbit IgG

**PURIFICATION:** Affinity purified rabbit IgG

**FORM:** Liquid

**FORMULATION:** In PBS pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin

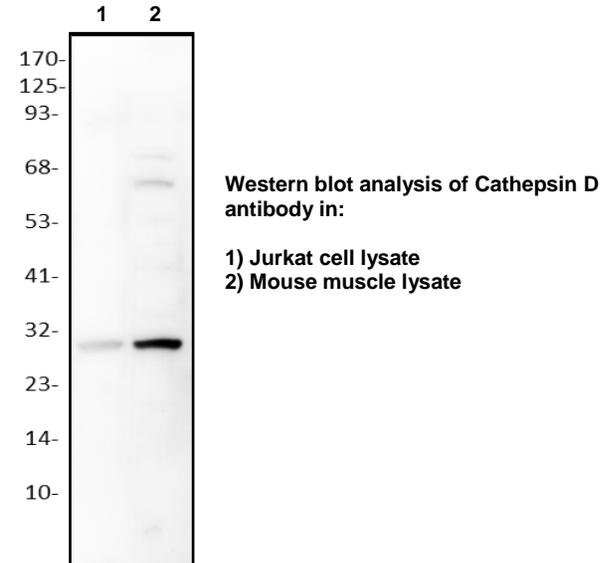
**SPECIES REACTIVITY:** Human, mouse

**STORAGE CONDITIONS:** Store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** Cathepsin D is a lysosomal aspartyl protease composed of a protein dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is an estrogen-regulated protein associated with tissue breakdown. Levels of cathepsin D have been positively correlated with recurring breast cancers of both node negative and node positive types. Additionally cathepsin D has been associated with amyloid formation in Alzheimer's plaques. Cathepsin D is produced initially as a pre-pro-enzyme which gets transported to lysosomes via endosomes in most cell types. In endosomes, it gets proteolyzed by unidentified proteases by removal of the pro-peptide to generate active single-chain Cathepsin D; while in lysosomes, further processing by cysteine cathepsins B and L generates mature, active double-chain Cathepsin D. BioVision's Active Human Cathepsin D is a proteolytically active, non-glycosylated enzyme expressed, purified and activated by proprietary methods.

**APPLICATION:** Western blot: 1-4 µg

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



### RELATED PRODUCTS:

- Cathepsin D Antibody (**Cat. No. 3191R**)
- Cathepsin D (active, human) (**Cat. No. 1022**)
- Active Cathepsin D, Human Recombinant (**Cat. No. 9229**)
- Human CellExp™ Cathepsin D, human recombinant (**Cat. No. 7409**)
- Cathepsin D Blocking Peptide (**Cat. No. 3191RBP**)
- Cathepsin D Inhibitor Screening Kit (Fluorometric) (**Cat. No. K148**)
- Cathepsin D Activity Fluorometric Assay Kit (**Cat. No. K143**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**