

Datasheet: 1910-8000P

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|----------------------|----------------------------------|
| Description: | SHEEP ANTI HUMAN CATHEPSIN B:HRP |
| Specificity: | CATHEPSIN B |
| Other names: | CTSB |
| Format: | HRP |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 1 ml |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | 1/500 - 1/1000 |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

| | |
|---------------------------------------|--|
| Target Species | Human |
| Product Form | Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.01% Thiomersal HRP Stabiliser (BUF052A) |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| Immunogen | Highly pure cathepsin B from human placenta. |

External Database Links

UniProt:
[P07858](#) [Related reagents](#)

Entrez Gene:

[1508](#) CTSB [Related reagents](#)

Synonyms

CPSB

RRID

AB_2230102

Specificity

Sheep anti Human cathepsin B antibody detects cathepsin B, a lysosomal cysteine protease which functions as both a endopeptidase and a carboxypeptidase. Together with cathepsins D and L, cathepsin B is one of the most abundant proteases in the lysosome, and participates in intracellular protein degradation.

Cathepsin B is thought to play an increasingly important role in apoptosis and its release from the lysosome under cell stress leads to Bid cleavage, cytochrome C release and nuclear fragmentation.

Cathepsin B is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete processing of APP is thought to be a causative factor in Alzheimer disease.

Over-expression of cathepsin B has been associated with oesophageal adenocarcinoma and other tumours, and has in particular been implicated in tumour invasion and metastasis.

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10131 available at:
10131: <https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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