

## Mouse ACE-2 Monoclonal Antibody | anti-ACE-2 antibody

ACE-2 (BSB-135)

|                              |                      |                                        |
|------------------------------|----------------------|----------------------------------------|
| CATALOG #<br><b>AAA59346</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> |
|------------------------------|----------------------|----------------------------------------|

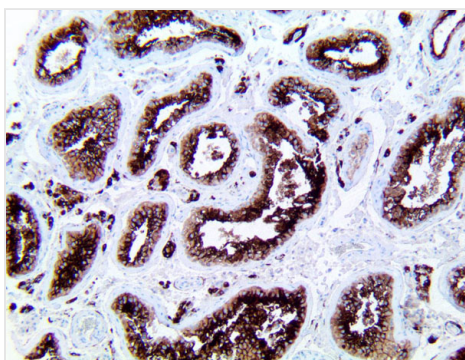
### PRODUCT SYNONYMS

ACE-2; Monoclonal Antibody; ACE-2 (BSB-135); ace2; ace-2; anti-ace2; anti-ace-2; sars-cov-2 receptors; sars cov-2 receptors; covid-19 receptors; sars-cov-2 antibodies sars-cov-2 ihc; sars-cov-2 immunohistochemistry; anti-ACE-2 antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                           |
| Reactivity              | Human, Mouse, Rat                                                                                                                                                                                                               |
| Clonality               | Monoclonal                                                                                                                                                                                                                      |
| Isotype                 | IgG1                                                                                                                                                                                                                            |
| Clone Number            | BSB-135                                                                                                                                                                                                                         |
| Form/Format             | Paraffin, Frozen<br>ACE2 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative. |
| Immunogen               | Synthetic Peptide corresponding to the C-terminal of ACE2 of human origin.                                                                                                                                                      |
| Control                 | Kidney, Testis, Brain, Colon, Fallopian Tube                                                                                                                                                                                    |
| Localization            | Membranous, Cytoplasmic                                                                                                                                                                                                         |
| Preparation and Storage | Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)                                                                                                                                                                 |

### IMAGES



IHC (Immunohistochemistry)

ACE2 Antibody Immunohistochemistry on a FFPE SARS-CoV-2 Infected Testis Tissue

| Antibody Type  | Dilution     | Volume/QT |
|----------------|--------------|-----------|
| Prediluted     | Ready-To-Use | 3.0 ml    |
| Prediluted     | Ready-To-Use | 7.0 ml    |
| Prediluted     | Ready-To-Use | 15.0 ml   |
| Concentrated   | 1:25-1:100   | 0.1 ml    |
| Concentrated   | 1:25-1:100   | 0.5 ml    |
| Concentrated   | 1:25-1:100   | 1.0 ml    |
| Control Slides |              | 5         |

Dilution Info

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACE-2 antibody | Angiotensin Converting Enzyme 2 is a dipeptidyl carboxydipeptidase active in the renin-angiotensin pathway, which helps regulate cardiovascular and renal functions. ACE2 is a secreted protein that cleaves angiotensin I (AngI) into angiotensin 1-9, and angiotensin II (AngII) into vasodilator angiotensin 1-7. ACE2 is expressed in the heart and kidney, where it may counteract vasoconstriction by inactivating Ang II. It is also found in the GI tract, lungs, and testis, in endothelial cells and less in vascular smooth muscle cells. ACE2 can contribute to tumor inhibition by inactivating AngII, which has been found to participate in tumor proliferation, angiogenesis, and metastasis. ACE2 has shown inhibitory effects on lung, prostate, breast, and liver cancer through various signaling mechanisms, and its expression may be correlated with immune cell penetration into the tissue. ACE2 also functions as the main receptor for the spike glycoprotein of human coronaviruses HCoV-NL63, SARS-CoV and SARS-CoV-2. |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/ace-2-antibody-clone-bsb-135-elisa/59346>