

## Anti-LTA Neutralizing Antibody (V3S-0822-YC2069)

Cat. No.: V3S-0822-YC2069

### Summary

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| <b>Description</b>        | This product is a mouse monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing lymphotoxin alpha. It can be used for LTA detection in Immunocytochemistry (ICC), Neutralization Assay (Neut). The antibody is expressed in mammalian cells (293 F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg. |
| <b>Clonality</b>          | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host Species</b>       | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Species</b>     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | Recombinant human Lymphotoxin-alpha/TNF-beta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>            | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype Control</b>    | C60052; C51237                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Secondary Antibody</b> | C47504; C37557; C41360; C32672; C10001; C52760; C17603; C65740                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### Property

|                     |                                                                                                                                             |
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| <b>Conjugation</b>  | Unconjugated                                                                                                                                |
| <b>Purity</b>       | >95%, determined by SDS-PAGE                                                                                                                |
| <b>Purification</b> | Protein A or G purified                                                                                                                     |
| <b>Storage</b>      | Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics. |

### Applications

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| <b>Application</b> | ICC; Neut |
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### Target

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target</b>           | LTA                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Alternative Name</b> | LTA; lymphotoxin alpha; LT; TNFB; TNFSF1; TNLG1E                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene ID</b>          | <a href="#">4049</a>                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt</b>          | <a href="#">P01374</a>                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Introduction</b>     | LTA is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. |
| <b>Research Area</b>    | Immunology                                                                                                                                                                                                                                                                                                                                                                                                  |

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