

## Recombinant Anti-LTA Antibody (V3S-1022-YC1961)

Cat. No.: V3S-1022-YC1961

### Summary

---

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | This product is a recombinant Mouse antibody provided by CreativeBiolabs. The antibody is specific for Lymphotoxin alpha. It can be used for Lymphotoxin alpha detection in Enzyme-Linked Immunosorbent Assay. It was expressed in mammalian cells (293F 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 ultrapurified 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>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype Control</b>    | C35500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Secondary Antibody</b> | C37557; C41360; C32672; C10001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Property

---

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expression Species</b> | HEK293F or CHO Cell line                                                                                                                    |
| <b>Conjugation</b>        | Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.                                                                     |
| <b>Purity</b>             | >95%, determined by SDS-PAGE and SEC-HPLC                                                                                                   |
| <b>Endotoxin</b>          | <1 EU/mg, determined by LAL method                                                                                                          |
| <b>Purification</b>       | Purified with Protein A or G affinity chromatography                                                                                        |
| <b>Sterility</b>          | 0.2 µM filtered                                                                                                                             |
| <b>Formulation</b>        | PBS, pH 7.4                                                                                                                                 |
| <b>Preservation</b>       | No preservatives                                                                                                                            |
| <b>Stabilizer</b>         | No stabilizers                                                                                                                              |
| <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

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

---

|                    |       |
|--------------------|-------|
| <b>Application</b> | ELISA |
|--------------------|-------|

## Target

---

|                         |                          |
|-------------------------|--------------------------|
| <b>Target</b>           | LTA                      |
| <b>Alternative Name</b> | LT; TNFB; TNFSF1; TNLG1E |
| <b>Gene ID</b>          | <a href="#">4049</a>     |
| <b>UniProt</b>          | <a href="#">P01374</a>   |

|                     |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b> | 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 |
|----------------------|------------|

|                        |                             |
|------------------------|-----------------------------|
| <b>Related Disease</b> | Chronic disease or disorder |
|------------------------|-----------------------------|

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