

Product Datasheet

Lymphotoxin alpha antibody (orb613927)

Description

Mouse monoclonal antibody to

| | |
|----------------------------|---|
| Species/Host | Mouse |
| Reactivity | Human |
| Conjugation | Unconjugated |
| Tested Applications | ELISA, FC |
| Immunogen | 3F12 was prepared by hyperimmunizing BALB/c mice with purified recombinant human LT α expressed in E. coli - the hybridoma clone was selected for its ability to bind LT α 3 by ELISA. The CDRs of the antibody were grafted to the framework regions of the mice mAb 2G7 to create the chimeric version of the antibody. |
| Target | Lymphotoxin alpha |
| Preservatives | PBS with 0.02% Proclin 300. |
| Concentration | 1 mg/ml |
| Storage | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. |
| Note | For research use only |
| Application notes | The properties of the chimieric 3F12 is equivalent to that of the original 3F12 mAb. 3F12 is able to bind to Th2 cells and additionally is can functionally block human LT α 3 versus an isotype control (trastuzumab) - LT α 3-induced ICAM upregulation is blocked on HUVEC (Human Umbilical Endothelial Cells) (IC50 0.04 nM) and LT α 3-induced IL-8 is blocked in A549 cells. The antibody has also been used in ELISA studies to detect LT-alpha and to measure binding. |
| Isotype | IgG2b |
| Clonality | Monoclonal |
| Purity | Purified |
| Uniprot ID | P01374 |
| Expiration Date | 12 months from date of receipt. |