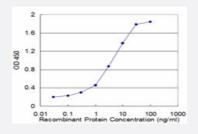


LIFR monoclonal antibody (M01), clone 4A10

Catalog # H00003977-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LIFR is approximately 0.03ng/ml as a capture antibody.

| Specification | |
|----------------------------------|--|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant LIFR. |
| Immunogen | LIFR (NP_002301, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | QKKGAPHDLKCVTNNLQVWNCSWKAPSGTGRGTDYEVCIENRSRSCYQLEKTSIKIPALSHGDYE ITINSLHDFGSSTSKFTLNEQNVSLIPDTPEILNLSADFSTSTLY |
| Host | Mouse |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (60); Rat (62) |
| Isotype | lgG2a Kappa |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |



Applications

- Sandwich ELISA (Recombinant protein)
 Detection limit for recombinant GST tagged LIFR is approximately 0.03ng/ml as a capture antibody.
 <u>Protocol Download</u>
- ELISA

Gene Info — LIFR

| Entrez GenelD | <u>3977</u> |
|---------------------|--|
| GeneBank Accession# | <u>NM_002310</u> |
| Protein Accession# | <u>NP_002301</u> |
| Gene Name | LIFR |
| Gene Alias | CD118, FLJ98106, FLJ99923, LIF-R, SJS2, STWS, SWS |
| Gene Description | leukemia inhibitory factor receptor alpha |
| Omim ID | <u>151443 601559</u> |
| Gene Ontology | <u>Hyperlink</u> |
| | |
| Gene Summary | This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combi nes with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the acti on of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiati on, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-J ampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A transloc ation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tu mor of the salivary gland. Multiple splice variants encoding the same protein have been found for t his gene. [provided by RefSeq |

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway