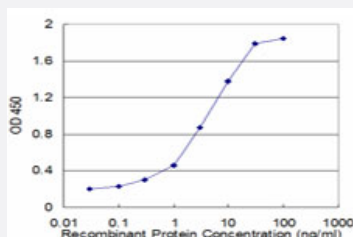


LIFR monoclonal antibody (M01), clone 4A10

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	QKKGAPHDLKCVTNLQVWNCPSWKAPSGTGRGTDYEVCIENRSRSCYQLEKTSIKIPALSHGDYE ITINSLHDFGSSTSKFTLNEQNVSLIPDTPEILNLSADFSTSTLY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (60); Rat (62)
Isotype	IgG2a 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.

[Protocol Download](#)

- ELISA

Gene Info — LIFR

Entrez GeneID [3977](#)

GeneBank Accession# [NM_002310](#)

Protein Accession# [NP_002301](#)

Gene Name LIFR

Gene Alias CD118, FLJ98106, FLJ99923, LIF-R, SJS2, STWS, SWS

Gene Description leukemia inhibitory factor receptor alpha

Omim ID [151443 601559](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation 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 tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations CD118 antigen|leukemia inhibitory factor receptor

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)