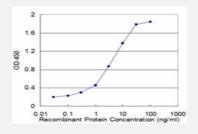


LIFR monoclonal antibody (M01), clone 4A10

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