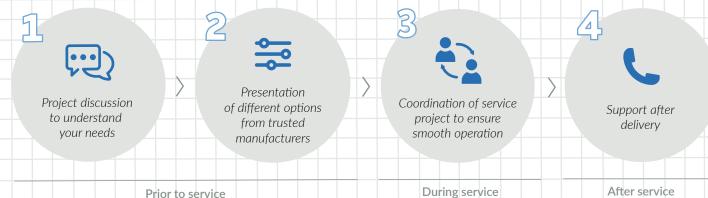


Fast & personal consultation

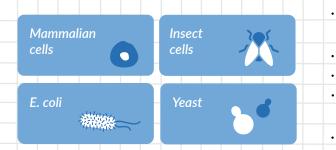
# Custom Protein and Service

LubioScience offers full project support!



## **Recombinant protein production service**

Multiple protein expression systems



- One-stop solution from gene to protein, process development and large scale production State of the art production technologies and facilites Comprehensive QC Extensive experience with poorly soluble or instable proteins, secreted proteins and membrane proteins
- IP-free strains and cell lines

#### Protein production service workflow

~ 1 week Gene synthesis and codon optimization - optional -	~ 1 week Vector construction	1-2 weeks Evaluation of protein expression	2-3 weeks Protein <b>expression</b> and <b>purification</b>	2-3 weeks Large-scale expression and purification - optional -
	<b>Deliverables</b> <ul> <li>Sequencing report</li> </ul>	<b>Deliverables</b> <ul> <li>Expression evaluation</li> </ul>	<b>Deliverables</b> • 0.5 - 1 mg purified	<b>Deliverables</b> • Purified protein
		report	protein • CoA	• CoA

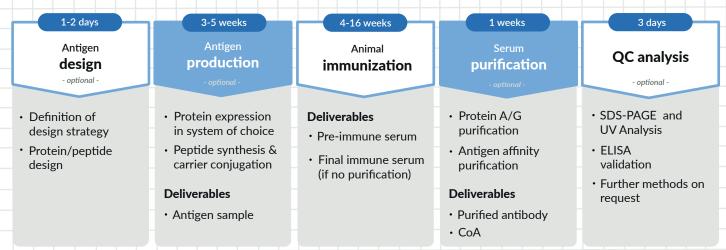
#### Service options

Purification options	<ul> <li>With or without purification tags (Fc, His, GST, FLAG, SUMO, Myc, HA)</li> <li>Cleavable tag option</li> </ul>
Quantity specifications	Standard package: > 90% purity by SDS-PAGE
	Customized package: HPLC-SEC, endotoxin levels, others (upon request)

#### Antibody production service

- > 99% success rate, cutting edge technologies
- Antibody format and species diversity
- Optimized immunization strategies for protein, peptide and DNA antigens
- Strong commitment to animal welfare
- Vast species diversity (rabbit, mouse, goat, lama, alpaca, chicken, etc.)
- All custom antibody development services are confidential

# Polyclonal antibody production workflow



### **Comprehensive antibody development & production services**

