

## SCIENTIFIC AND TECHNICAL SUPPORT

Service	Description	Delivery	Price €/h		
			(1)	(2)	(3)
Scientific and technological support	Scientific and technical support and advice on immunogen design, immunoreagent synthesis and production, antibody production and immunoassay design and development.	Scientific report	30	38	50

(1) CSIC/CIBER-BBN, (2) Public centres, (3) Companies. \*1 IVA not included

## POLICLONAL ANTIBODY DEVELOPMENT

Service	Time	Description	Delivery	Price €		
				(1)	(2)	(3)
STANDARD PROTOCOL	15 weeks	<ul style="list-style-type: none"> <li>- 2 Rabbits.</li> <li>- Pre-immune bleeding.</li> <li>- 4 immunizations/rabbit.</li> <li>- 3 Blood extractions.</li> <li>- Final bleeding.</li> </ul>	<ul style="list-style-type: none"> <li>- 5 ml pre-immune serum.</li> <li>- 5 ml serum /bleeding.</li> <li>- 50-80 ml serum final bleeding/rabbit</li> </ul>	675	835	1125
ELISA		ELISA assay of the antibody titer	ELISA report	185	230	310

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## MONOCLONAL ANTIBODY DEVELOPMENT

Service	Time	Description	Delivery	Price €		
				(1)	(2)	(3)
Phase I: Immunization	7-10 weeks	<ul style="list-style-type: none"> <li>- Discussion and details of project</li> <li>- Antigen provided by the customer</li> <li>- 4 Mice</li> <li>- Pre-immune bleed</li> <li>- 4 immunizations/mouse</li> <li>- 3 blood extractions</li> <li>- ELISA polyclonal sera testing</li> <li>- Selection of 2 mice with highest titers</li> </ul>	- Elisa report	590	725	980
Phase II: Fusion and Screening	4-6 weeks	<ul style="list-style-type: none"> <li>- Fusion of splenocytes and myeloma cells (two mice).</li> <li>- Plating the fusion product into 96 well culture plates.</li> <li>- Screening supernatants from the growing hybridoma wells by ELISA.</li> <li>- Selection of up to 5 antibody positive hybridoma wells.</li> </ul>	<ul style="list-style-type: none"> <li>- Supernatants</li> <li>- Elisa report</li> </ul>	1620	2000	2700
Phase III: Cloning and Subcloning	4-6 weeks	<ul style="list-style-type: none"> <li>- Cloning of selected hybridomas (up to 5).</li> <li>- Cloning screening.</li> <li>- Positive clones are subcloned to select pure and stable expressing clones.</li> <li>- Recloning up to 4 cycles</li> <li>- ELISA screening of subcloning cultures</li> </ul>	<ul style="list-style-type: none"> <li>- 1-3 clones</li> <li>- ELISA report</li> </ul>	2160	2670	3600
Phase IV: Expansion and Freezing		<ul style="list-style-type: none"> <li>- Expansion of up to 5 selected clones.</li> <li>- Freezing of selected clones.</li> </ul>	<ul style="list-style-type: none"> <li>- 2cryovials/clone</li> <li>- 20 ml supernatant culture/clone</li> </ul>	580	720	970
<b>Phase I+II+III+IV</b>	<b>20-24 weeks</b>			<b>4950</b>	<b>6115</b>	<b>8250</b>

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## HIBRIDOMA CELL CULTURE ANTIBODY PRODUCTION

Service	Description	Delivery (mg antibody)	Price €/mg		
			(1)	(2)	(3)
Antibody Production in Cell Culture Dishes	<ul style="list-style-type: none"> <li>• 3 Hybridoma cells are grown in cell culture dishes.</li> <li>• Hybridoma antibody concentration averages between 20 and 40 µg/ml.</li> </ul>	≤ 5 mg antibody	60	75	100
		> 5 mg ≤ 15 mg	48	59	80
		> 15 mg ≤ 30 mg	40	50	67
		> 30 mg	37	45	61
Bioreactor CL350 Integra Antibody Production	<ul style="list-style-type: none"> <li>• Hybridoma cells are grown in CL350 Integra fermentors.</li> <li>• Hybridoma antibody concentration averages between 1 to 10 mg/ml.</li> </ul>	≤ 5 mg	79	98	132
		> 5 mg ≤ 15 mg	43	53	71
		> 15 mg ≤ 30 mg	25	31	42
		> 30 mg	18	22	29

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## ANTIBODY PURIFICATION

Service	Description	Delivery**	Price €/mg or ml		
			(1)	(2)	(3)
Antibody Purification by Ammonium Sulfate Precipitation	<ul style="list-style-type: none"> <li>• Ammonium sulfate precipitation.</li> <li>• Determination of Ig content.</li> </ul>	≤ 5 mg	18	22	29
		> 5 mg ≤ 15 mg	18	22	29
		> 15 mg ≤ 30	18	22	29
		> 30 mg	18	22	29
Antibody Purification by antigen affinity chromatography	<ul style="list-style-type: none"> <li>• Affinity chromatography Protein G, Protein A or antigen affinity chromatography (160 € extra charge/ antigen)</li> </ul>	≤ 5 mg	54	67	90
		> 5 mg ≤ 15 mg	37	45	61
		> 15 mg ≤ 30	29	36	48
		> 30 mg	25	31	42

\*\*ml purified in case of polyclonal sera

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## HAPTEN PROTEIN BIOCONJUGATION

Service	Scale (mg)	Price €/mg		
		(1)	(2)	(3)
One-step Bioconjugation	5-9	116	143	188
	10-19	58	72	94
	20-29	29	36	47
	30-49	19	24	31
Two-step Bioconjugation	5-9	152	188	243
	10-19	78	97	125
	20-29	41	51	66
	30-49	29	36	46

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