

Scientific and Technical support

Service	Description	Delivery	Price (€/h)		
			(1)	(2) ^{*1}	(3) ^{*1}
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) CIBER-BBN/CSIC, (2) Official centers, (3) Private Enterprises. ^{*1} IVA not included

Policlonal Antibody Development

Service	Time	Description	Delivery	Price (€/mg)		
				(1)	(2) ^{*1}	(3) ^{*1}
STANDARD PROTOCOL	15 weeks	<ul style="list-style-type: none"> • Discussion of the project details. • 2 Rabbits. • Pre-immune bleeding. • 4 immunizations/rabbit. • Test Bleeds are taken 10 days after each immunization and screened by ELISA 	<ul style="list-style-type: none"> • 5 ml pre-immune serum. • 5 ml serum test bleeding./rabbit • 50-80 ml serum final bleeding/rabbit • ELISA report 	808	998	1346

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Prices 2017

Monoclonal Antibody Development

Service	Time	Description	Delivery	Price (€/mg)		
				(1)	(2) ^{*1}	(3) ^{*1}
PHASE 1: Immunization and ELISA titration	7-10 weeks	<ul style="list-style-type: none"> •Discussion and details of project •Antigen provided by the customer •4 Mice/3 Rats •Standard protocol or customized design •Pre-immune bleed and intermediate bleeding for immunisation control •ELISA titer determinations 	ELISA report /test bleeds	617	772	1029
PHASE 2: Cell Fusion, Selection and First Screening	4-6 weeks	<ul style="list-style-type: none"> •Fusion of splenocytes and myeloma cells (two fusions). •Plating the fusion product into 96 well culture plates. •Screening supernatants from the growing hybridoma wells by ELISA. •Selection of up to 5 antibody positive hybridoma wells. 	ELISA report /supernatants	1701	2126	2835
PHASE 3: Cloning and Subcloning by limiting dilution	4-6 weeks	<ul style="list-style-type: none"> •Cloning of selected hybridomas (up to 5) •Cloning screening •Positive clones are subcloned to select pure and stable expressing clones 	1-3 clones ELISA report	2268	2835	3780
PHASE 4: Expansion and Freezing	2-4 weeks	<ul style="list-style-type: none"> •Expansion of 3 selected clones •Cryoconservation of selected clones 	2 cryovials/clone 10 ml supernatant/ clone	611	764	1019
Phase I+II+III+IV	20-26 weeks		TOTAL	5198	6497	8663
PHASE 5: (optional)	2-3 weeks	<ul style="list-style-type: none"> •Determination of Ig subclass •Mycoplasma test of selected clones. 	Report	302	378	504

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Prices 2017

Hybridoma Cell Culture Antibody Production

Service	Description	Delivery	Price (€/mg)		
			(1)	(2)* ¹	(3)* ¹
Antibody Production in Cell Culture Dishes	•Hybridoma cells are grown in cell culture dishes.	1-5 mg antibody	64	79	106
		6-15 mg antibody	50	63	84
		16-30 mg antibody	42	53	71
		> 30 mg antibody	38	48	64
Antibody Production in CELLine Bioreactor system	•Hybridoma cells are grown in CELLine Integra mini-fermentors. Hybridoma cells are grown in CL350 Integra mini-fermentors.	1-5 mg antibody	83	104	139
		6-15 mg antibody	45	56	75
		16-30 mg antibody	26	33	44
		30-49 mg antibody	19	23	31
		50-100mg antibody	16	20	27

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Antibody Purification

Service	Description	Delivery	Price (€/mg)		
			(1)	(2)* ¹	(3)* ¹
Antibody Purification by Ammonium Sulfate Precipitation	•Ammonium sulfate precipitation.	Purified antibody	18	22	29
Antibody Purification by antigen affinity chromatography	• Affinity cromatography Protein G, Protein A or antigen affinity cromatography (160 € extra charge/ antigen) •Determination of IgG content.	1-5 mg antibody	54	68	90
		6-15 mg antibody	37	46	61
		16-30 mg antibody	29	36	48
		30-49 mg antibody	21	27	36
		50-100mg antibody	19	24	32

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Antibody Production and Purification

Service	Description	Delivery	Price (€/mg)		
			(1)	(2) ^{*1}	(3) ^{*1}
Antibody Production in CELLine Bioreactor system and Purification Protein G		1-5 mg antibody	138	172	229
		6-15 mg antibody	82	102	136
		16-30 mg antibody	55	69	92
		30-49 mg antibody	40	50	67
		50-100mg antibody	35	44	59

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Hapten Protein Bioconjugation

Service	Scale (mg)	Price (€/mg)		
		(1)	(2) ^{*1}	(3) ^{*1}
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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