

# Immunoassays at a Glance

Reproductive Function								
	Description	Method	Catalog #*	Sample Type	Size	LOD	Dynamic Range	Assay Time
Activins	Activin A	ELISA	AL-110 (RUO) AL-110-i (CE)	Serum	25 µL	0.065 ng/mL	0.1 – 10 ng/mL	3.5 hrs
	Activin B	ELISA	AL-150 (RUO)	Serum, Plasma	25 µL	4.35 pg/mL	12 – 2600 pg/mL	3.5 hrs
	Activin AB	ELISA	AL-153 (RUO)	Serum	100 µL	0.117 pg/mL	1.35 – 108 pg/mL	5.5 hrs
Alpha- Fetoprotein	AFP	ELISA	AL-104 (RUO)	Serum	25 µL	0.44 ng/mL	5 - 500 ng/mL	1.0 hr
AMH	AMH, Ultra-Sensitive	ELISA	AL-105 (RUO) AL-105-i (CE)	Serum, Plasma	25 µL	0.023 ng/mL	0.08 – 14.2 ng/mL	2.5 hrs
	DBS AMH	ELISA	AL-129 (RUO) AL-129-i (CE)	Dried Blood Spots	2 Disks (7.9 mm)	12.5 pg/mL	4.4– 989.8 pg/mL	4.5 hrs
	MenoCheck <sup>®</sup> picoAMH	ELISA	AL-124 (IVD) AL-124-i (CE)	Serum	100 µL	1.3 pg/mL	3.8 – 1091 pg/mL	4.5 hrs
	picoAMH (RUO)	ELISA	AL-124-r (RUO)	Serum	10 - 100 µL	1.2 pg/mL	3.8 – 1091 pg/mL	4.5 hrs
	PCOCheck <sup>™</sup>	ELISA	AL-196 (RUO) AL-196-i (CE)	Serum, Plasma	20 µL	0.029 ng/mL	0.135 - 24 ng/mL	1.0 hr
BMPs and GDFs	BMP-15	ELISA	AL-179 (RUO)	Follicular Fluid	50 µL	29 pg/mL	62 – 6690 pg/mL	4.5 hrs
	GDF-9	ELISA	AL-176 (RUO)	Serum	50 µL	3 pg/mL	48 – 5800 pg/mL	4.5 hrs
	GDF-9/BMP-15 Complex	ELISA	AL-181 (RUO)	Follicular Fluid	25 µL	8.68 AU/mL	30 – 5200 AU/mL	4.5 hrs
	GDF-15, Total	ELISA	AL-1014 (RUO)	Serum, Urine	2 - 5 µL	2.2 pg/mL	15 – 2906 pg/mL	2.0 hrs
	GDF-15 (H-Specific)	ELISA	AL-1018 (RUO)	Serum, Urine	2 - 5 µL	2.38 pg/mL	13 – 3022 pg/mL	2.0 hrs
Estriol	Estriol	EIA	AL-138 (IVD) AL-138-r (RUO) AL-138-i (CE)	Serum	50 µL	0.04 ng/mL	0.054 - 11.75 ng/mL	1.0 hr
Follistatins	Follistatin	ELISA	AL-117 (RUO)	Serum	50 µL	0.18 ng/mL	0.625 – 20 ng/mL	3.0 hrs
	Follistatin-Like 3 (FSTL-3)	ELISA	AL-152 (RUO)	Serum	25 µL	0.164 ng/mL	0.4 – 14 ng/mL	2.5 hrs
FSH	FSH, Ultra-Sensitive	ELISA	AL-186 (RUO)	Serum, Plasma	25 µL	0.016 mIU/mL	0.153 – 26 mIU/mL	1.5 hrs
		CLIA	AL-286 (RUO)	Serum, Plasma	50 µL	0.018 mIU/mL	0.1 – 105 mIU/mL	2.5 hrs
	FSH, Dried Blood Spot	ELISA	AL-187 (RUO)	Dried Blood Spots	2 Disks (7.9 mm)	0.12 mIU/mL	1-160 mIU/mL	1.5 hrs
Inhibins	Inhibin A	ELISA	AL-123 (IVD) AL-123-r (RUO) AL-123-i (CE)	Serum	50 µL	5.45 pg/mL	9.9 – 1188 pg/mL	4.0 hrs
	picoInhibin A	ELISA	AL-184-r (RUO)	Serum	50 µL	0.48 pg/mL	1.5 – 198 pg/mL	4.0 hrs
	Inhibin B	ELISA	AL-107 (RUO) AL-107-i (CE)	Serum	50 µL	1.6 pg/mL	12.7 – 1390 pg/mL	3.5 hrs
	Inhibin B, Ultra-Sensitive	ELISA	AL-195 (RUO) AL-195-i (CE)	Serum	50 µL	0.77 pg/mL	3.9 – 542 pg/mL	1.5 hrs
	Inhibin, Total	ELISA	AL-134 (RUO)	Serum, Plasma	50 µL	0.94 pg/mL	8.3 – 525 pg/mL	3.5 hrs
LH	LH, Ultra-Sensitive	ELISA	AL-188 (RUO)	Serum	10 µL	0.006 mIU/mL	0.097 – 9.9 mIU/mL	2.5 hrs
		CLIA	AL-288 (RUO)	Serum	50 µL	0.009 mIU/mL	0.013 – 20 mIU/mL	2.5 hrs
	LH, Dried Blood Spot	ELISA	AL-190 (RUO)	Dried Blood Spots	2 Disks (7.9 mm)	0.02 mIU/mL	0.32 – 28.16 mIU/mL	2.5 hrs
PAPP-A	PAPP-A	ELISA	AL-106 (RUO) AL-106-i (CE)	Serum	50 µL	1.14 ng/mL	18 – 3300 ng/mL	3.0 hrs
	picoPAPP-A	ELISA	AL-101 (RUO) AL-101-i (CE)	Serum	50 µL	0.037 ng/mL	0.1 – 10 ng/mL	2.0 hrs
	PAPP-A2	ELISA	AL-109 (RUO)	Serum	50 µL	0.071 ng/mL	0.09 – 9.4 ng/mL	2.5 hrs
Prolactin	Prolactin, Ultra-Sensitive	ELISA	AL-199 (IVD) AL-199-i (CE)	Serum	20 µL	0.4 ng/mL	1.4 – 244 ng/mL	1.0 hr
	Prolactin, Dried Blood Spot	ELISA	AL-1016 (RUO) AL-1016-i (CE)	Dried Blood Spots	2 Disks (7.9 mm)	0.4 ng/mL	2.2 - 366 ng/mL	2.0 hrs
Testosterone	Testosterone	EIA	AL-162 (RUO)	Serum	50 µL	3.5 ng/dL	9-1500 ng/dL	1.5 hrs

## Glucagon Regulation and Metabolism

	Description	Method	Catalog #*	Sample Type	Size	LOD	Dynamic Range	Assay Time
C-Peptide	C-Peptide of Insulin	ELISA	AL-151 (RUO)	Serum, Plasma	20 µL	0.018 ng/mL	0.2 – 10.9 ng/mL	1.0 hr
GIP	GIP, Intact	ELISA	AL-1022 (RUO)	Serum, Plasma	25 µL	7.7 pg/mL	62.5-1000 pg/mL	3.5 hrs
	GIP, Total	ELISA	AL-1013 (RUO)	Serum, Plasma	25 µL	8.0 pg/mL	62.5-1000 pg/mL	3.5 hrs
GLPs	GLP-1	ELISA	AL-172 (RUO)	Plasma	50 µL	1.9 pg/mL	15 – 213 pg/mL	2.5 hrs
	GLP-2	ELISA	AL-174 (RUO)	Plasma	50 µL	0.003 ng/mL	0.057 – 2.6 ng/mL	2.5 hrs
Glicentin	Glicentin	ELISA	AL-185 (RUO)	Plasma	25 µL	4.17 pg/mL	33.3 – 1666 pg/mL	2.5 hrs
Glucagon	Glucagon	ELISA	AL-157 (IVD) AL-157-r (RUO) AL-157-i (CE)	Plasma	50 µL	2.4 pg/mL	7 – 314 pg/mL	2.5 hrs
OXM	Oxyntomodulin	ELISA	AL-139 (RUO)	Plasma	50 µL	0.243 pg/mL	3 – 290 pg/mL	2.0 hrs
Proglucagon	Major Proglucagon Fragment	ELISA	AL-175 (RUO)	Plasma	25 µL	0.003 ng/mL	0.05 – 3 ng/mL	2.5 hrs
	Proglucagon	ELISA	AL-1019 (RUO)	Plasma	25 µL	1.14 pg/mL	6.48 – 913 pg/mL	2.5 hrs

## Growth Factors

	Description	Method	Catalog #*	Sample Type	Size	LOD	Dynamic Range	Assay Time
IGFs	Total IGF-I	ELISA	AL-121 (IVD) AL-121-r (RUO) AL-121-i (CE)	Serum, Plasma	20 µL	0.025 ng/mL	0.9 – 50 ng/mL	1.0 hr
	Free IGF-I	ELISA	AL-122 (RUO)	Serum	50 µL	0.025 ng/mL	0.67 – 43 ng/mL	1.0 hr
	IGF-II	ELISA	AL-131 (RUO)	Serum, Plasma	25 µL	1.328 ng/mL	20 – 1239 ng/mL	1.5 hrs
IGFBPs	IGFBP-2	ELISA	AL-140 (RUO)	Serum	10 µL	0.08 ng/mL	0.45 – 27.5 ng/mL	2.5 hrs
	Total IGFBP-3	ELISA	AL-120 (RUO)	Serum	10 µL	0.19 ng/mL	2 – 240 ng/mL	1.5 hrs
	Intact IGFBP-3	ELISA	AL-149 (RUO)	Serum	10 µL	1.37 ng/mL	2.2 – 87 ng/mL	1.5 hrs
	Total IGFBP-4	ELISA	AL-126 (RUO)	Serum	25 µL	4.74 ng/mL	50 – 702 ng/mL	2.5 hrs
	Intact IGFBP-4	ELISA	AL-128 (RUO)	Serum	25 µL	0.669 ng/mL	1.5 – 96.16 ng/mL	2.5 hrs
	IGFBP-5	ELISA	AL-127 (RUO)	Serum	20 µL	4.4 ng/mL	15.3 – 902 ng/mL	2.0 hrs
Interleukin	picoll-6	ELISA	AL-1007-r (RUO)	Serum	50 µL	0.15 pg/mL	1 – 125 pg/mL	2.0 hrs
Stanniocalcin	Stanniocalcin 2	ELISA	AL-143 (RUO)	Serum	25 µL	0.033 ng/mL	0.85 – 55 ng/mL	3.0 hrs

## Neuronal Disorders

Myelin Basic Protein	MBP	ELISA	AL-108 (RUO)	Cerebrospinal Fluid	100 µL	0.093 ng/mL	0.35 – 10.5 ng/mL	2.5 hrs
		CLIA	AL-208 (RUO)	Cerebrospinal Fluid	100 µL	0.074 ng/mL	0.34 – 17.2 ng/mL	2.5 hrs

## Species-Specific Assays

Activin	Rat / Mouse Activin B	ELISA	AL-156 (RUO)	Serum	50 µL	5.28 pg/mL	20 – 2000 pg/mL	3.5 hrs
AMH	Bovine AMH	ELISA	AL-114 (RUO)	Plasma	50 µL	11 pg/mL	13.5 – 2240 pg/mL	3.5 hrs
	Canine/Feline AMH	ELISA	AL-116 (RUO)	Serum	25 µL	0.015 ng/mL	0.3 – 11.9 ng/mL	3.5 hrs
	Equine AMH	ELISA	AL-115 (RUO)	Serum	50 µL	0.009 ng/mL	0.06 – 14 ng/mL	3.5 hrs
	Ovine AMH	ELISA	AL-155 (RUO)	Serum	50 µL	0.025 ng/mL	0.375 – 24 ng/mL	3.5 hrs
	Porcine AMH	ELISA	AL-169 (RUO)	Serum	50 µL	0.055 ng/mL	0.125 – 8 ng/mL	3.5 hrs
	Non-Human Primate AMH	ELISA	AL-105 (RUO) AL-105-i (CE)	Serum, Plasma	25 µL	23 pg/mL	0.08 – 14.2 ng/mL	2.5 hrs
	Rat / Mouse AMH	ELISA	AL-113 (RUO)	Serum	5 µL <sup>+</sup>	TBD	0.336 – 21.5 ng/mL	3.5 hrs
GDF-15	Bovine GDF-15	ELISA	AL-1021 (RUO)	Serum	25 µL	0.42 pg/mL	3.8-824 pg/mL	2 hrs
IGFs	Rat / Mouse Total IGF-I	ELISA	AL-137 (RUO)	Serum, Plasma	2.5 - 5 µL	0.24 ng/mL	2 – 50 ng/mL	1.5 hrs
	Rat / Mouse Free IGF-I	ELISA	AL-136 (RUO)	Serum, Plasma	2.5 - 5 µL	0.81 ng/mL	1 – 50 ng/mL	1.5 hrs
IGFBPs	Rat / Mouse IGFBP-2	ELISA	AL-140 (RUO)	Serum	10 µL	0.08 ng/mL	0.43-27.5 ng/mL	2.5 hrs
	Rat / Mouse Intact IGFBP-4	ELISA	AL-1025 (RUO)	Serum, Plasma	15 µL	0.07 ng/mL	0.56-18 ng/mL	2.5 hrs
	Rat / Mouse Total IGFBP-4	ELISA	AL-1028 (RUO)	Serum	2 µL - 5 µL	0.32 ng/mL	0.8-194 ng/mL	2.5 hrs
	Rat / Mouse IGFBP-5	ELISA	AL-1026 (RUO)	Serum	3 µL - 5 µL	0.40 ng/mL	9.8 - 250 ng/mL	2.5 hrs

## Species-Specific Assays (continued)

Inhibins	Equine / Canine / Rodent Inhibin A	ELISA	AL-161 (RUO)	Serum	15 µL	2.3 pg/mL	6 – 668 pg/mL	4.0 hrs
	Equine / Canine / Mouse Inhibin B	ELISA	AL-163 (RUO)	Serum	15 µL	2.3 pg/mL	5.2 – 758 pg/mL	3.5 hrs
Oxyntomodulin	Rat / Mouse Oxyntomodulin	ELISA	AL-192 (RUO)	Plasma	10 µL	2.55 pg/mL	11.4-859 pg/mL	2.0 hrs
PAPP-A	Mouse PAPP-A	ELISA	AL-158 (RUO)	Serum, Cell Supernatant	25 µL	0.020 ng/mL	0.24 - 10.3 ng/mL	3.5 hrs

## Immunoassay Serum Controls

	Description	Cat #	Packaging
AnshCheck™ Controls	1T-2T Maternal Screening Bi-Level Controls	AL-CTR-404-i (CE) AL-CTR-404 (RUO)	2 x 5 Vials (Low, High)
	AMH Tri-Level Controls	AL-CTR-401-i (CE) AL-CTR-401 (RUO)	3 x 5 Vials (Low, Mid, High)
	Inhibin B Tri-Level Controls	AL-CTR-402 (RUO)	3 x 5 Vials (Low, Mid, High)

# Research Reagents at a Glance

## Monoclonal Antibodies (For Research Use Only)

Description	Application	Catalog #	Isotype	Specificity	Packaging	Species Reactivity
Activin B mAb	Neutralizing Ab	AB-306-AA042	IgG1	Activin B / Inhibin BetaB Subunit	100 µg	Human
AMH mAb	ELISA	AB-303-AA011	IgG2b	AMH, Pro Region	100 µg	Human
AMH mAb	ELISA	AB-303-AA012	IgG2a	AMH, Mature Region	100 µg	Human
AMH mAb	ELISA	AB-303-AA015	IgG1	AMH, Pro Region	100 µg	Human
AMH mAb	ELISA, Neutralizing Ab	AB-303-AA022	IgG2a	AMH, Mature Region	100 µg	Human, Bovine
AMH mAb	ELISA, WB, IHC	AB-303-AA024	IgG2b	AMH, Pro Region	100 µg	Human, Mouse, Equine
AMH mAb	ELISA, IHC	AB-303-AA036	IgG1	AMH, Pro Region	100 µg	Human, Mouse, Equine
BMP-15 mAb	IHC	AB-324-AB016	IgG2a	BMP-15	100 µg	Human, Mouse
BMP-15 mAb	IHC, WB	AB-324-AB021	IgG2a	BMP-15	100 µg	Human
BMP-15 mAb	IHC	AB-324-AB022	IgG2a	BMP-15	100 µg	Human
GDF-9 mAb	IHC, WB	AB-325-AG012	IgG1	GDF-9	100 µg	Human, Mouse
GDF-9 mAb	IHC	AB-325-AG013	IgG1	GDF-9	100 µg	Human
GLP-1 mAb	ELISA	AB-327-AG022	IgG2b	GLP-1 (1-36)	100 µg	Human
GLP-1 mAb	ELISA	AB-327-AG025	IgG1	GLP-1 (1-36)	100 µg	Human
GLP-2 mAb	ELISA	AB-332-AG006	IgG1	GLP-2 (1-34)	100 µg	Human
GLP-2 mAb	ELISA	AB-332-AG008	IgG1	GLP-2 (1-34)	100 µg	Human
Glucagon mAb	ELISA, WB	AB-322-AG020	IgG2b	Glucagon (1-29)	100 µg	Human, Mouse
IGF-I mAb	ELISA, Neutralizing Ab	AB-309-AI053	IgG1	IGF-I	100 µg	Human, Rat, Bovine, Equine, Canine
IGFBP-4 mAb	ELISA	AB-308-AI039	IgG1	IGFBP-4, C Terminal	100 µg	Human
IGFBP-4 mAb	ELISA	AB-308-AI042	IgG1	IGFBP-4, C Terminal	100 µg	Human
IGFBP-4 mAb	ELISA	AB-308-AI025	IgG1	IGFBP-4, N Terminal	100 µg	Human
IGFBP-5 mAb	ELISA	AB-311-AI046	IgG2b	IGFBP-5	100 µg	Human



## Monoclonal Antibodies (Continued)

Description	Application	Catalog #	Isotype	Specificity	Packaging	Species Reactivity
Inhibin Alpha mAb	ELISA, WB, IHC	AB-304-AI007	IgG2a	Inhibin Alpha	100 µg	Human, Rat, Mouse
Inhibin Alpha mAb	IHC	AB-304-AI043	IgG1	Inhibin Alpha	100 µg	Human
Inhibin BetaA mAb	ELISA, IHC	AB-305-AI006	IgG1	Inhibin BetaA Subunit	100 µg	Human
Inhibin BetaA mAb	WB, IHC	AB-305-AI063	IgG2a	Inhibin BetaA Subunit	100 µg	Human, Rat, Mouse
Inhibin BetaB mAb	ELISA, WB, IHC	AB-306-AI005	IgG1	Inhibin BetaB Subunit	100 µg	Human, Rat, Mouse
Oxyntomodulin 1-29 (OXM, GLU) mAb	ELISA	AB-323-AO001	IgG1	Oxyntomodulin (1-37)	100 µg	Human, Rat, Mouse
Oxyntomodulin 29-37 (OXM) mAb	ELISA	AB-323-AO002	IgG1	Oxyntomodulin (29-37)	100 µg	Human, Rat, Mouse
Oxyntomodulin 29-37 (OXM) mAb	IHC	AB-323-AO010	IgG1	Oxyntomodulin (29-37)	100 µg	Human, Rat, Mouse
PAPP-A mAb	ELISA	AB-301-AP015	IgG1	PAPP-A, Heterotetrameric, Dimeric	100 µg	Human
PAPP-A mAb	ELISA, WB	AB-301-AP016	IgG1	PAPP-A, Heterotetrameric, Dimeric	100 µg	Human, Mouse
PAPP-A mAb (1/41A Clone)	Neutralizing Ab	AB-301-AP031	IgG2a	PAPP-A	100 µg	Human
PAPP-A2 mAb	ELISA	AB-302-AP022	IgG1	PAPP-A2	100 µg	Human
PAPP-A2 mAb	ELISA	AB-302-AP023	IgG2b	PAPP-A2	100 µg	Human

### Ansh Labs mAb Specifications:

- Source - Murine
- Purity - >95% by SDS-Page under reducing conditions
- Purification - Purified from hybridoma culture supernatant using Protein G
- Activity - Determined by direct ELISA
- Dilution - Can be diluted in the same PBS buffer.
- Composition - Reconstitute to the appropriate working dilution for your intended application using 10mM Phosphate Buffered Saline at pH7.4 without preservatives.

## Antigens (For Research Use Only)

Description	Catalog Number	Packaging	Specificity	Source	Appearance
Recombinant Human Inhibin A	AG-305-AI035	5 µg	Inhibin A	CHO-S	Pink liquid solution
Recombinant Human Inhibin B	AG-306-BI043	5 µg	Inhibin B	CHO-S	Pink liquid solution
Recombinant Dimeric PAPP-A	AG-301-BP024	5 µg	PAPP-A	HEK-293	Pink liquid solution
Recombinant PAPP-A2	AG-302-BP033	5 µg	PAPP-A2	CHO-S	Pink liquid solution
Native Human PAPP-A	AG-301-BP040	5 µg	PAPP-A	Human Placental Fluid	Clear liquid solution
Recombinant Human IGFBP-4	AG-308-AI050	5 µg	IGFBP-4	HEK-293	Pink liquid solution
Recombinant Human AMH	AG-303-BA047	5 µg	AMH	CHO-S	Pink liquid solution

Shipping Conditions - The antibodies and antigens are shipped on dry ice. Upon receipt, store it immediately at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

### Custom Antibody Services

Ansh Labs excels at developing and screening antibodies.

- Discovery and Antibody Development
- Production (from hybridomas and sequences)
- Coupling and Conjugations
- Characterization

### Custom Assay Development and Manufacturing

Ansh Labs has decades of experience developing some of the most challenging immunoassays.

- Initial Consultation
- Experimental Design
- Assay Development
- Analytical Validations
- Data Analysis

### Regulatory Clearances:

IVD - FDA Registered/Cleared / CE - CE Mark for Europe / RUO - Research Use Only

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