Prolactin Monoclonal Mouse Antibody (PRL/2644)



Product Description

Prolactin is a growth factor that is secreted by the anterior pituitary. It is necessary for the proliferation and differentiation of the mammary glands. Prolactin is useful in the classification of pituitary tumors and study of pituitary disease. It also plays a role in the development of mammary cancer, functioning dually as a mitogen and a differentiating agent.

Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

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Call us: 800-304-5357

Antibody number #2644 Antibody reactivity (target) Prolactin Antibody type Primary Host species Mouse Clonality Monoclonal Clone PRL/2644 Isotype IgG1, kappa Molecular weight 27 kDa Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate Conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 m	Product attributes			
Antibody type Host species Mouse Clonality Monoclonal Clone PRL/2644 Isotype IgG1, kappa Molecular weight Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) HC (FFPE) (verified) Antibody target cellular localization Species reactivity Positive control Pituitary. Shipping condition Storage Conditions For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate formulation Antibody/conjugate formulation Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Antibody number	#2644		
Host species Mouse Clonality Monoclonal Clone PRL/2644 Isotype IgG1, kappa Molecular weight 27 kDa Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) HHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions For research use only (RUO) Antibody/conjugate formulation PBS/0.05% aside, Purified. DS-3 purified: 0.2 mg/mL in PBS/0.05% aside, Purified. BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Antibody reactivity (target)	Prolactin		
Clonality Monoclonal Clone PRL/2644 Isotype IgG1, kappa Molecular weight 27 kDa Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation PBS/0.05% aside, HRP conjugates: 0.1 mg/mL in PBS/0.05% aside, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Antibody type	Primary		
Clone PRL/2644 Isotype IgG1, kappa Molecular weight 27 kDa Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unilgene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Host species	Mouse		
Isotype IgG1, kappa	Clonality	Monoclonal		
Molecular weight 27 kDa	Clone	PRL/2644		
Synonyms Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) HC (FFPE) (verified) Antibody target cellular localization Species reactivity Positive control Pituitary. Shipping condition Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation PSS/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Isotype	IgG1, kappa		
hormone Å1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin; Prolactin precursor Human gene symbol PRL Entrez gene ID 5617 SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular Iocalization Species reactivity Human Positive control Pituitary. Shipping condition Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation PSS/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Molecular weight	27 kDa		
Entrez gene ID SwissProt Pol 1236 Unigene Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Positive control Shipping condition Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.15% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Synonyms	hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin;		
SwissProt P01236 Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.15% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Human gene symbol	PRL		
Unigene 1905 Immunogen Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications IHC (FFPE) (verified) Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Entrez gene ID	5617		
Immunogen	SwissProt	P01236		
Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary) Verified antibody applications Antibody target cellular localization Species reactivity Positive control Shipping condition Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Unigene	1905		
Antibody target cellular localization Species reactivity Human Positive control Pituitary. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Immunogen	Prolactin (PRL) protein (around aa		
Iocalization Species reactivity Human	Verified antibody applications	IHC (FFPE) (verified)		
Positive control Pituitary.		Secreted (extracellular)		
Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% azide, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Species reactivity	Human		
Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS/0.05% azide, Purified, BSA-fr	Positive control	Pituitary.		
conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purlfied: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purlfied, BSA-free: 1 mg/mL in PBS/0.05% BSA/0.05% azide, Purlfied in PBS/0.05% BSA/0.05% azide, Purlfied, BSA-free: 1 mg/mL in PBS/0.05% BSA/0.05% azide, Purlfied in PBS/0.05% BSA/0.05% azide, Purlfied, BSA-free: 1 mg/mL in PBS/0.05%	Shipping condition	Room temperature		
Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Validated in protein array Monospecific Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Storage Conditions	conjugates from light, Note: store		
formulation BSÂ/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein array Validated in protein array Monospecific Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology	Regulatory status	For research use only (RUO)		
Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Endocrinology		BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS		
date of receipt when stored as recommended Antibody research areas Endocrinology	Validated in protein array	Monospecific		
•	Shelf life	date of receipt when stored as		
Tumor expression Pituitary cancer	Antibody research areas	Endocrinology		
	Tumor expression	Pituitary cancer		

Email: btinfo@biotium.com

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified,	N/A	N/A	N/A	

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