

**Rabbit Anti-HPL (Human Placental Lactogen)/Galectin 1 [MD20R]: RM0320, RM0320RTU7**

**Intended Use:** For Research Use Only

**Description:** Human placental lactogen (hPL) can be demonstrated in human placental tissue and in the serum of pregnant women. Human placental lactogen has been identified in some breast carcinomas and in trophoblastic and nontrophoblastic tumors of the placenta, and has been used as a serum or tissue marker for trophoblastic and nontrophoblastic neoplasms.

**Specifications:**

Clone: MD20R  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, mouse, rat  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC  
Package:

Description	Catalog No.	Size
HPL (Human Placental Lactogen)/Galectin 1 Concentrated	RM0320	1 ml
HPL (Human Placental Lactogen)/Galectin 1 Prediluted	RM0320RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Placenta, trophoblast tumor  
Concentrated Dilution: 25-50  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 min @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.

**References:**

1. Detection of K(ATP) channels subunits in human term placental explants and evaluation of their implication in human placental lactogen (hPL) and human chorionic gonadotropin (hCG) release. Lybaert P, et al. Placenta. 2013 Jun;34(6):467-73.
2. The value of a single combined measurement of VEGF, glycodelin, progesterone, PAPP-A, HPL and LIF for differentiating between ectopic and abnormal intrauterine pregnancy. Daponte A, et al. Hum Reprod. 2005 Nov;20(11):3163-6
3. Specificity and sensitivity of differentiation antigens in superficial soft tissue tumors: comparison of SMA, calponin, H-caldesmon, C-kit, PLAP and HPL. Durak H, et al. Bratisl Lek Listy. 2010;111(8):432-8.
4. The diagnostic significance of hCG and hPL via immunohistochemistry of placental tissues in pregnancies diagnosed with IUGR and IUD. Günyeli I, et al. J Obstet Gynaecol. 2009. Aug;29(6):521-5.

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