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DATA SHEET

Rabbit Anti-GCDFP-15 [EP95]: RM0097

Intended Use: For Research Use Only

Description: Gross cystic disease fluid protein (GCDFP-15), also called prolactininducible protein (PIP), is a single polypeptide chain with a versatile function in human reproductive and immunological systems. GCDFP-15 binds to CD4, exerts a potent inhibition on T lymphocyte apoptosis mediated by CD4/T-cell receptor (TCR) activation, and carries a fibronectin-specific aspartyl protease activity. It is up regulated by prolactin and androgens, while it is down regulated by estrogen. In normal adult tissues, GCDFP-15 expression was found in all apocrine, lacrimal, ceruminous, and Moll's glands and in numerous serous cells of the submandibular, sublingual, and minor salivary glands. The serous cells of nasal and bronchial glands were also positive. It is used as a marker of apocrine differentiation. GCDFP-15 has been found in the cyst fluid of cystic breast disease and primary and metastatic breast cancer, and considered a highly specific marker for identification of breast cancer. GCDFP-15 expression has also been found in other cancer types including salivary glands, sweat glands, prostate, and lung.

Specifications

Clone:	EP95
Source:	Rabbit
Reactivity:	Human
Isotype:	IgG
Localization:	Cytoplasm
Formulation:	Purified antibody in 0.2% BSA and 15mM sodium azide (NaN3)
Storage:	Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications:	IHC

Package:

Description	Catalog No.	Size
GCDFP-15 Concentrated	RM0097	1 ml

IHC Procedure*

Positive Control Tissue:	Skin, breast cancer
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

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