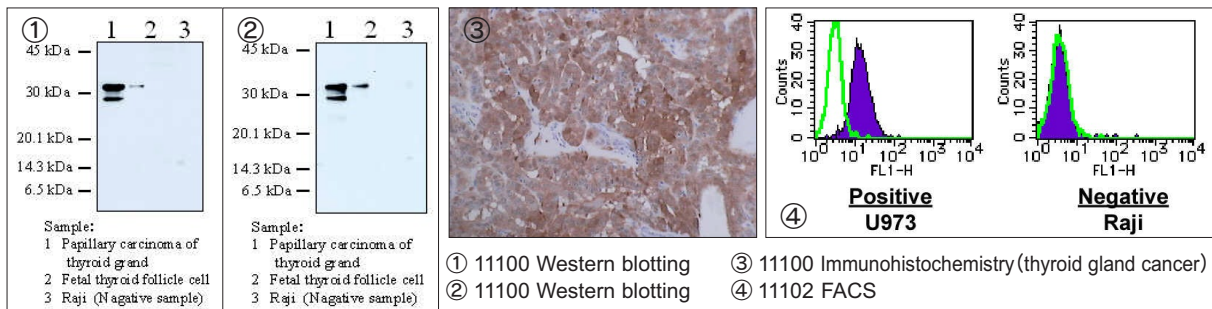


# Galectin-3

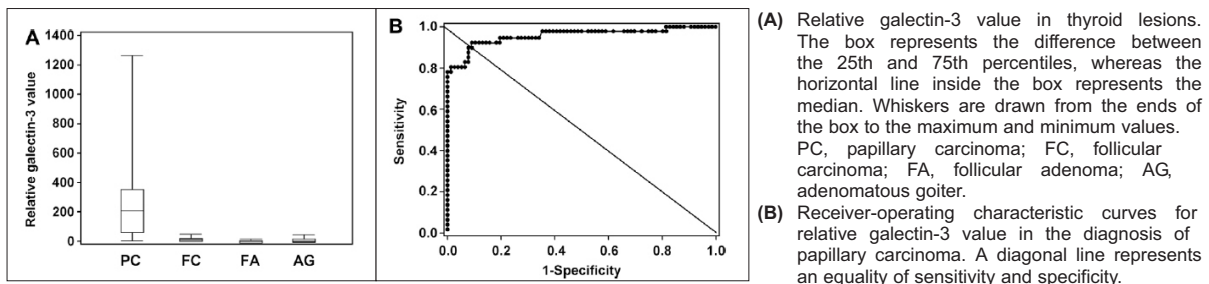
Galectin is widely distributed in nematodes, insects, and porifers, as well as vertebrates, and it has also been found to be present in true fungi. Galectin does not just occur in the cytoplasm, it is also present in the nucleus, on the cell surface, in the extracellular matrix, etc., and it is thought to be involved in many biological phenomena, including development, differentiation, morphogenesis, tumor metastasis, cell death, and RNA splicing. Galectin-3 is a  $\beta$ -galactoside-binding protein that has been named IgE-binding protein, CBP35, CBP30, Mac-2, L-29, L-31, L-34, etc., and structurally it is a chimera-type lectin composed of a sugar-chain-binding domain (galectin domain) and a non-lectin domain. Its biological function is still uncertain, but many studies that should elucidate its function have been performed, and as a result participation of galectin-3 has been demonstrated in the biological phenomena of cell growth, adhesion, metastasis, and apoptosis. For example, a positive correlation has been shown between galectin-3 expression and the degree of malignant transformation in certain types of cell lines. A positive correlation has also recently been shown between galectin-3 expression and degree of malignancy in certain types of malignant tumors, and measurement of galectin-3 is expected to possibly serve as an index of degree of tumor malignancy.

■ Galectin-3 Antibody							
Code No.	Name		Volume	W/B	IHC	Remarks	
11100	Anti-Human	Galectin-3 (38B2)	Mouse IgG MoAb	100 $\mu$ g	2 ~ 5 $\mu$ g/mL	2 ~ 5 $\mu$ g/mL	Galectin-3 specific
11102	Anti-Human	Galectin-3 (87B5)	Mouse IgG MoAb	100 $\mu$ g	2 ~ 5 $\mu$ g/mL	-	Galectin-3 specific FACS 2 ~ 10 $\mu$ g/mL



■ Galectin-3 Assay Kit						
Code No.	Name		Volume	Assay Range	Incubation Time	Application
27755	Human	Galectin-3 Assay Kit - IBL	96 Well	117.19 ~ 7,500 pg/mL	1st incubation, 37°C, 1hr 2nd incubation, 4°C, 30min	Human Serum, EDTA-Plasma, Cell culture supernatant, Cell extract and Tissue extract.

### Stratification of thyroid lesions by relative galectin-3 value (ref. 1)



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