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1982: Ph.D. Degree (Plant Biochemistry, Nagoya University)

1979: M.S. Degree (Plant Biochemistry, Nagoya University)

1977: B.S. Degree (Plant Pathology, Tottori University)



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	Generic name	Trade name	Monoclonal antibody	Disease	Patent expiration (year)	
					USA	Europe
1	rituximab	Rituxan	chimeric antibody against CD20	lymphomas, leukemias <i>etc</i> .	2013-2019	2013
2	trastuzumab	Herceptin	humanized antibody against HER2	breast cancer etc.	2013-2018	2010-2014
3	bevacizumab	Avastin	humanized antibody against VEGF-A	colon cancer etc.	2013-2018	2014
4	infliximab	Remicade	chimeric antibody against TNFα	arthritis, Crohn's disease <i>etc</i> .	2014	2014
5	adalimumab	Humira, Exemptia	human antibody against TNFα	rheumatoid arthritis, Crohn's disease etc.	2017	2018
	No. 1 in glol	pal sales until (COVID-19 pandemic (US	\$3.6 B, 2022)		







Green Insight Japan









as well as new topics covering the whole of Japan, will be presented in foreign languages.

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