Docket #: S10-203

Monoclonal antibody against human HGAL antigen

Stanford researchers have developed a monoclonal antibody for diagnosis, prognosis, classification, and research of B-cell derived lymphomas. This is a mouse antibody directed against the human HGAL antigen (human germinal center-associate lymphoma, a cytoplasmic protein expressed in germinal center B cells). The HGAL protein is expressed in certain types of non-Hodgkin lymphomas and is associated with a better prognosis.

Applications

- **Diagnostic** - identification and classification of B-cell derived lymphoma subtypes
- **Prognostic** marker for diffuse large B cell lymphoma and Hodgkin lymphoma
- **Research** - the antibody can be used for western and immunoprecipitation and utilized for studies of HGAL function

Advantages

- **Specific** - an excellent marker for differentiation of FL from other low grade lymphomas

Publications

- Younes SF, Beck AH, Lossos IS, Levy R, Warnke RA, Natkunam Y., "Immunoarchitectural Patterns in Follicular Lymphoma: Efficacy of HGAL and LMO2 in the Detection of the Interfollicular and Diffuse Components" , *.Am J Surg Pathol.* 2010 Aug 6.

- Natkunam Y, Hsi ED, Aoun P, Zhao S, Elson P, Pohlman B, Naushad H, Bast M, Levy R, Lossos IS., "Expression of the human germinal center-associated lymphoma (HGAL) protein identifies a subset of classic Hodgkin lymphoma of germinal center derivation and improved survival." *Blood.* 2007 Jan 1;109(1):298-305. Epub 2006 Sep 5.

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