HGAL (Human Germinal Center Associated Lymphoma Marker) Antibody

Mouse Monoclonal Antibody [Clone HGAL/2834]

Catalog No	Format	Size
257144-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
257144-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
257144-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

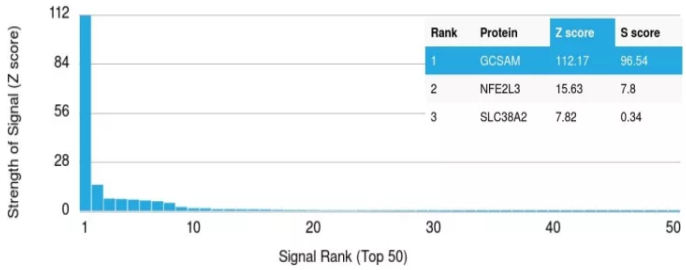
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

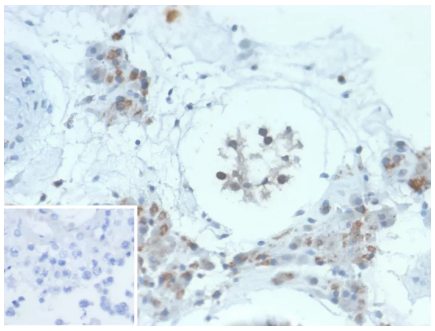
Clone	HGAL/2834
Gene Name	GCSAM
Immunogen	Recombinant fragment (around aa1-200) of human HGAL protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	21kDa
Cellular Localization	Cytoplasm. Cell membrane.
Species Reactivity	Human
Positive Control	Daudi|Raji or U266 cells. Human lymphocytes. Human lymph node|tonsil or testis.

**Optimal dilution for a specific application should be determined.*

Product Images for HGAL (Human Germinal Center Associated Lymphoma Marker) Antibody



Analysis of Protein Array containing >19,000 full-length human proteins using HGAL Mouse Monoclonal Antibody (HGAL/2834). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human testis stained with HGAL Mouse Monoclonal Antibody (HGAL/2834). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Recognizes a protein of ???kDa, which is identified as HGAL. It contains a putative PDZ-interacting domain, an immunoreceptor tyrosine-based activation motif (ITAM), and two putative SH2 binding sites. In B cells, its expression is specifically induced by interleukin-4. ? HGAL is specifically expressed in germinal center B-cells, but is absent in mantle and marginal zone B-cells and in the inter-follicular and para-cortical regions in normal tonsils and lymph nodes. Its high degree of specificity for germinal center B-cells makes anti-HGAL an ideal marker for the detection of germinal center-derived B-cell lymphomas. HGAL expression has been used to help elucidate nodal marginal zone lymphoma (NMZL) from cases of diffuse follicle center lymphoma. Additionally, HGAL expression was shown to correlate with survival in patients with diffuse large B-cell lymphoma (DLBCL).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.