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10-7544: Monoclonal Antibody to HGAL (Clone: ABM43E6)

Clone Name : Monoclonal ABM43E6

Application: IHC

Reactivity: Human

Gene: GCSAM

Gene ID: 257144

Uniprot ID: Q8N6F7

Format: Purified

Alternative Name : GCSAM,GAL,GCET2
Isotype : Mouse IgG1 Kappa

Immunogen Information: A full length human HGAL protein was used as the immunogen for this antibody

Description

Human germinal center-associated lymphoma (HGAL) is specifically expressed only in germinal center (GC), B lymphocytes and GC-derived lymphomas. It is located on chromosome 3q13, comprises 6 exons and encodes a cytoplasmic protein of 178 amino acids that contains an immunoreceptor tyrosine-based activation motif (ITAM). HGAL decreases lymphocyte motility by inhibiting the ability of myosin to translocate actin via direct interaction with F-actin and myosin II and by activating RhoA signaling via direct interactions with RhoA-specific guanine nucleotide exchange factors. It also regulates B-cell receptor (BCR) signaling by directly binding to and enhancing Syk kinase activity and activation of its downstream effectors (Ref-1). HGAL expression by tumor cells correlates with a favorable prognosis in patients with diffuse large B-cell and classical Hodgkin lymphomas.

Product Info

Amount: 25 μg / 100 μg

Purification: Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 5 µg/ml

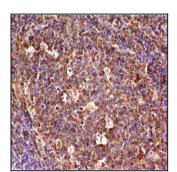


Fig-1 : Immunohistochemical analysis of HGAL in human tonsil tissue using HGAL antibody (Clone: ABM43E6) at $5 \mu g/ml$.