Datasheet for ABIN6937362

anti-GZMB antibody (AA 73-187)

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Overview

Quantity:	100 µg
Target:	GZMB
Binding Specificity:	AA 73-187
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human GZMB protein (around aa 73-187) (exact sequence is proprietary)
Clone:	GZMB-3055
Isotype:	IgG kappa
Specificity:	Granzyme B is a member of the granule serine protease family stored specifically in NK cells or cytotoxic T cells. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B is crucial for the rapid induction of target cell apoptosis by CTLs in the cell-mediated immune response. Granzyme B is useful as a marker in the identification of NK/T-cell lymphomas. High percentages of cytotoxic T-cells have been

Product Details

	shown to be an unfavorable prognostic indicator in Hodgkin's Disease.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	GZMB
Alternative Name:	GZMB (GZMB Products)
Background:	Cathepsin G-like 1, CCPI, CGL1, CSPB, CTLA-1, CTSGL1, Cytotoxic serine protease B, Cytotoxic T lymphocyte associated serine esterase 1, Cytotoxic T-lymphocyte proteinase 2, Fragmentin-2, GRB, Human lymphocyte protein (Hlp), Lymphocyte protease, SECT, T-cell serine protease 1-3E,Granzyme B (NK/T-Cell Lymphoma Marker) Cellular localisation: Cytoplasmic
Molecular Weight:	29-32kDa
Gene ID:	3002, 1051
UniProt:	P10144
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes); Optimal dilution for a specific application should be determined. Positive_Control: A431 cells. Human tonsil, spleen or Hodgkin's Lymphoma tissue (IHC).
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months