

Anti-CD117 / c-Kit (Marker for Gastrointestinal Stromal Tumors) Monoclonal Antibody

Catalog Number: M01335

About KIT

This monoclonal antibody recognizes a protein of 75kDa, identified as Thrombomodulin. Thrombomodulin is a transmembrane glycoprotein with natural anticoagulant properties. It is normally expressed by a restricted number of cells, such as endothelial and mesothelial cells. In addition, synovial lining and syncytio-trophoblasts of placenta also express thrombomodulin. This protein is present in almost all of benign vascular tumors and majority of malignant vascular tumors (Kaposi's sarcoma, angiosarcoma, and epithelioid hemangioendothelioma). Hence, anti-thrombomodulin serves as a sensitive marker for lymphatic endothelial cells and their tumors. Recently, thrombomodulin antibody has been used for mesothelial cells and malignant mesotheliomas.

Overview

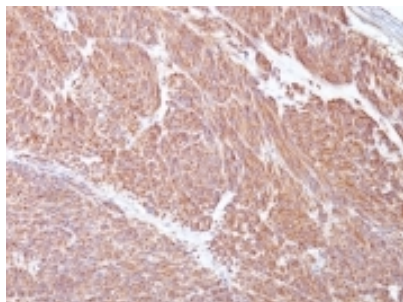
Product Name	Anti-CD117 / c-Kit (Marker for Gastrointestinal Stromal Tumors) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD117 / c-Kit (Marker for Gastrointestinal Stromal Tumors) Monoclonal Antibody catalog # M01335. Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal C117/370 + KIT/982 + KIT/983
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P10721

Technical Details

Immunogen	Recombinant human CD117 proteins
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG2a, kappa
Form	Liquid

Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT)</p> <p>Immunofluorescence (0.5-1ug/ml)</p>

Anti-CD117 / c-Kit (Marker for Gastrointestinal Stromal Tumors) Monoclonal Antibody (M01335) Images



Formalin-fixed, paraffin-embedded human Gastrointestinal Stromal Tumor (GIST) stained with CD117 Monoclonal Antibody (C117/370 + KIT/982 + KIT/983).

1 Publications Citing This Product

1. PubMed ID: 28115023, Astaxanthin attenuates total body irradiation-induced hematopoietic system injury in mice via inhibition of oxidative stress and apoptosis

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