

10-7584: Monoclonal antibody to FLT3/CD135 (Clone: ABM5C12)

Clonality :	Monoclonal
Clone Name :	ABM5C12
Application :	WB
Reactivity :	Human
Gene :	FLT3
Gene ID :	2322
Uniprot ID :	P36888
Format :	Purified
Alternative Name :	FLT3,CD135,FLK2,STK1
Isotype :	Mouse IgG2b, k
Immunogen Information :	A partial length recombinant protein from C terminal portion of Flt3/CD135 was used as the immunogen for this antibody.

Description

FLT3 (FMS-like tyrosine kinase 3) is a receptor tyrosine kinase preferentially expressed on leukemic cells of the myeloid lineage. It belongs to class III tyrosine kinase family and is expressed in some normal hematopoietic cell types and plays an important role in the pathogenesis of AML (Acute Myeloid Leukemia). FLT3 mutations can be divided into 2 categories: internal tandem duplications (FLT3/ITD mutations) in or near the juxtamembrane domain of the receptor and point mutations resulting in single amino acid substitutions occurring within the activation loop of the tyrosine kinase domain (FLT3/TKD mutations). An FLT3/ITD mutation varies according to age and clinical risk group, being less common in pediatric AML and in AML arising from an antecedent myelodys-plastic syndrome.

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 :	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

Western blot analysis: 4-6 µg/ml

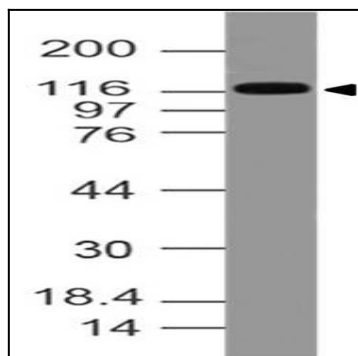


Fig:1- Expression analysis of FLT3. Anti-FLT3 antibody (Clone: ABM5C12) was tested at 4 µg/ml on Jurkat lysate.