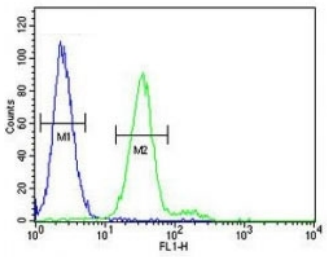
CD117 Antibody (F40159)

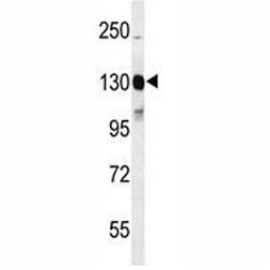
Catalog No.	Formulation	Size
F40159-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40159-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P10721
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This CD117 antibody is available for research use only.



CD117 antibody flow cytometric analysis of 293 cells (green) compared to a negative control cell (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot analysis of CD117 antibody and mouse cerebellum tissue lysate. Observed molecular weight: ~120/145kDa (precusor/mature).

Description

CD117 is a cytokine receptor expressed on the surface of hematopoietic stem cells as well as other cell types. Altered forms of this receptor may be associated with some types of cancer. It is a receptor tyrosine kinase type III, which binds to stem cell factor (a substance that causes certain types of cells to grow), also known as steel factor or c-kit ligand. When this receptor binds to stem cell factor (SCF) it forms a dimer that activates its intrinsic tyrosine kinase activity, that in turn phosphorylates and activates signal transduction molecules that propagate the signal in the cell. Signalling through CD117 plays a role in cell survival, proliferation, and differentiation. [Wiki]

Application Notes

Titration of the CD117 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 680-711 from the human protein was used as the immunogen for this CD117 antibody.

Storage

Aliquot the CD117 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.