

ARG70310 Mouse FLT3 Ligand recombinant protein (ECD) (Fc-His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Mouse FLT3 Ligand recombinant protein (ECD).
Tested Reactivity	Ms
Tested Application	Binding, SDS-PAGE
Target Name	FLT3 Ligand (ECD)
Species	Mouse
A.A. Sequence	Met1 - Arg188 of Mouse FLT3 Ligand (NP_038548.3.) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	FLT3L; SL cytokine; Fms-related tyrosine kinase 3 ligand; Flt3L; Flt3 ligand; FL

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse FLT3, His Tag at 3µg/ml (100 µl/well) can bind Recombinant Mouse Flt-3 Ligand, The EC50 of Mouse Flt-3 Ligand is 36 ng/ml.
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Properties

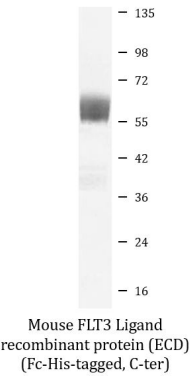
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 85% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FLT3LG
Gene Full Name	fms-related tyrosine kinase 3 ligand
Background	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
Function	Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. [UniProt]

Calculated Mw	26 kDa
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. [UniProt]

Images



ARG70310 Mouse FLT3 Ligand recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70310 Mouse FLT3 Ligand recombinant protein (ECD) (Fc-His-tagged, C-ter).