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## Product Datasheet

### **CytoPak ActiveMax Human DLL4 muBeads, premium grade (for cells, 5.5mum)** **ABS-MBS-C038-25MG**

Article Name	CytoPak ActiveMax Human DLL4 muBeads, premium grade (for cells, 5.5mum)
Biozol Catalog Number	ABS-MBS-C038-25MG
Supplier Catalog Number	MBS-C038-25mg
Alternative Catalog Number	ABS-MBS-C038-25MG
Manufacturer	AcroBiosystems
Category	Sonstiges
Product Description	CytoPak ActiveMax Human DLL4 $\mu$ Beads, premium grade (for cells, 5.5 $\mu$ m) - Sonstiges...
Form	Liquid
Target	DLL4

Application Notes

CytoPak ActiveMax Human DLL4  $\mu$ Beads, premium grade (for cells) are optimized for large-scale in vitro differentiation of induced pluripotent stem cells (iPSCs) in systems such as cellbags, or stirred-tank bioreactors. The beads functionally mimic thymic DLL4+ epithelial cells by engaging Notch receptors (e.g., Notch1/2) on hematopoietic stem/progenitor cells (HSPCs), thereby activating downstream Notch signaling pathways to drive lineage-specific differentiation. A representative application case is exemplified by ActiveMax Human DLL4  $\mu$ Beads, premium grade (for cells), which induce the differentiation of CD34+ hematopoietic stem cells into progenitor T cells lineage (proT cells), Natural Killer (NK) cells lineages etc. under in vitro conditions with the specialized culture media and cytokines supplementation. This product provides a powerful tool for developing stem cell-based immunotherapies. The dosage and performance of CytoPak ActiveMax Human DLL4  $\mu$ Beads, premium grade (for cells) vary with the differentiation of cell donor, culture media, cytokines supplementation, and target cell lineages etc. It is recommended to optimize the experiment parameters using small-size product (Cat. No. MBS-C013) prior to scaling up.