

For Research Use Only

CoraLite® Plus 405 anti-Human Mesenchymal Stem Cell Lineage Cocktail

Catalog Number: PK31001



Product Information

Mesenchymal stem cells (MSCs) are multipotent stromal cells that have the capacity of self-renewal and the potential to differentiate into multiple cell types. MSCs can be isolated from a variety of tissues. According to the minimal criteria for defining multipotent mesenchymal stromal cells proposed by the International Society for Cellular Therapy (ISCT) in 2006, MSCs express CD105, CD73 and CD90, and lack expression of CD45, CD34, CD14 or CD11b, CD79 or CD19 and HLA-DR surface molecules. MSCs are also known to express other cell surface markers, such as CD29, CD44, CD146 and CD166.

This CoraLite® Plus 405 anti-Human Mesenchymal Stem Cell Lineage Cocktail contains six CoraLite® Plus 405 conjugated antibodies for CD45, CD34, CD14, CD11b, CD19, HLA-DR. In combination with other MSCs positive markers, it can be used for the detection of human MSCs.

Components

	Catalog No	Target	Clone	Isotype	Size
	CL405-98117	CD45	241670E10	Rabbit IgG	
	CL405-98145-4	CD34	242069A6	Rabbit IgG	
	CL405-98040	CD14	230332D7	Rabbit IgG	
Antibodies	CL405-65582	CD11b	ICRF44	Mouse IgG2a	100 tests
	CL405-65562	CD19	4G7	Mouse IgG2a	
	CL405-65560	HLA-DR	L243	Mouse IgG2a	

Package

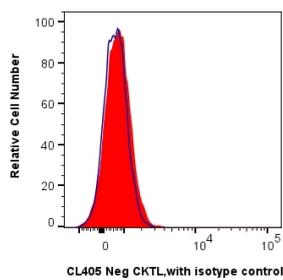
100 tests

Storage

Storage Buffer: PBS with 0.09% sodium azide and 0.5% BSA.

Storage Conditions: Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Validation Data



1x10⁶ human mesenchymal stem cells were surface stained with 5 ul CoraLite® Plus 405 anti-Human Mesenchymal Stem Cell Lineage Cocktail (PK31001) (red) or Isotype Control (blue). Cells were not fixed.

For technical support and original validation data for this product please contact

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