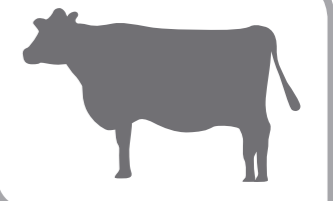


Biomarker Expression Patterns in Bovine Immune Cells



Markers	Stem cells, precursors and progenitors						B cells		Specialist antigen presenting cells			Myeloid and mast cells						NK cells and innate lymphoid cells				T cells					Megakaryocyte erythroid cells			Non hematopoietic cells						
	LT-HSC	GMP	CMP	CLP	MEP	MPP	B cells	Pro/Pre B cells	Myeloid dendritic cells	Plasmacytoid dendritic cells	Langerhans cells	Eosinophil	Neutrophil	Basophil	Macrophage	Monocyte	Granulocyte	Mast cells	NK cells	Precursor NK cells	Innate lymphoid progenitor	Innate lymphoid cells	T cells	Double negative thymocyte	Double positive thymocyte	Gamma/Delta T cells	NKT cells	Megakaryocyte	Platelets	Proerythroblast	Erythrocyte	Endothelial cells	Epithelial cells			
CD1																																				
CD1w2																																				
CD1w3																																				
CD2																																				
CD3																																				
CD3e																																				
CD4																																				
CD5																																				
CD6																																				
CD8																																				
CD8beta																																				
CD9																																				
CD11a																																				
CD11b																																				
CD11c																																				
CD13																																				
CD14																																				
CD16																																				
CD18																																				
CD21																																				
CD25/IL-2Ra																																				
CD26																																				
CD28																																				
CD31																																				
CD32																																				
CD40																																				
CD41																																				
CD41/CD61																																				
CD43																																				
CD44																																				
CD45																																				
CD45RB																																				
CD45RO																																				
CD46																																				
CD47																																				
CD49d																																				
CD62L																																				
CD62P																																				
CD63																																				
CD69																																				
CD71																																				
CD77																																				
CD79a																																				
CD80																																				
CD86																																				
CD119																																				
CD143																																				
CD144																																				
CD163																																				
CD172a																																				
CD205																																				
CD230																																				
CD282																																				
CD335																																				
FOXP3																																				
IgM																																				
MHC I																																				
MHC II																																				
WC1																																				
WC4																																				
WC5																																				
WC8																																				
WC9																																				
WC14																																				
WC15																																				

Key

LT-HSC: Long Term Hematopoietic Stem Cell
 GMP: Granulocyte Monocyte Precursor
 CMP: Common Myeloid Precursor

CLP: Common Lymphoid Precursor
 MEP: Megakaryocyte Erythroid Precursor
 MPP: MultiPotent Progenitor

NKT Cell: Natural Killer T Cell
 NK Cell: Natural Killer Cell

Expressed by a subset of these cells
 Strongly expressed by these cells
 Weakly expressed by these cells