

CLEMENTE ASSOCIATES

Magnetic Beads & Separators / Nucleic Acid Isolation

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TECHNOLOGY: MAGNETICS: DATASHEETS

Partial listing of product data sheets. Please inquire about others.	
CATALOG # :apb250 Activated Particle Protein	
Surface Chemistry:	It is Glutaraldehyde activated. It is Amine specific and not reactive with hydroxyl or sulfahydryl groups. The following can be coupled to the activate particle: IgG, IgA, IgM, Lectins, Proteins, Nucleic Acid Fragments, Mab and Polyclonal antibodies.
CATALOG #: CD4-250 Clone, RPA-T4,Isotype Mouse IgG ₁ k'	
Specificity of Mab:	Reacts with CD4 a 59 kD transmembrane glycoprotein [receptor for human immunodeficiency virus [HIV] present on all T helper/inducer cell populations. This antibody binds to the D1 domain [CDR1 and CDR3 epitopes] of the CD4 antigen and reacts with approximately 80% of Thymocytes and 45% of peripheral blood lymphocytes. CD4 is also present in low density on peripheral blood monocytes. RPA-T4 is also capable of blocking HIV-1, gp120, and inhibits syntnium formation. It is also capable of blocking mixed lymphocyte reaction [MLR].
CATALOG #: CD14-100 Clone, M5E2,Isotype Mouse IgG _{2a} k'	
Specificity of Mab:	Reacts with a 53-55 kD glycosylphosphatidalinisitol {GPI} anchored single chain glycoprotein expressed at high levels on monocytes. Additionally, CD14 reacts with interfollicular macrophages, reticular dendritic cells and some langerhans cells
PRODUCT: cd45-200 Clone HI30. Isotype Mouse IgG ₁ k	
Specificity of Mab:	Reacts with the 180, 190, 205 and 220 kD isoforms of the leukocyte common antigen [LCA] present on all human leukocytes including monocytes, lymphocytes, granulocytes and thymocytes but absent from circulating erythrocytes, platelets and non-hemopoietic tissues. CD45 is required for T cell and B cell antigen receptor mediated activation.
CATALOG #: cd56 250 nm	
Specificity of Mab:	Reacts with the 220/135 kD heavily glycosylated antigen isoforms present on a subpopulation of peripheral blood large granular lymphocytes which demonstrate natural killer activity, but not on myeloid cells, erythrocytes or B cells. This antigen is a pan NK cell marker. CD 56 is virtually identical to an isoform of the neural cell adhesion molecule [NCAM], a structure mediating homotypic and heterotypic cell-cell interactions.
CATALOG #: CD62P 250 [P-selectin]	
Specificity of Mab:	Reacts with the 140 kD membrane glycoprotein, P-selectin formerly known as PADGEM or GMP140. P selectin is stored in the alpha granules of platelets and the Weibel-Palade bodies of endothelial cells and is rapidly transported to the plasma membrane upon activation. P selectin is thought to mediate the initial adhesive interactions of neutrophils and monocytes with endothelium in inflammatory responses and of activated platelets to neutrophils and monocytes in hemostasis. Clone # AK-4, Isotype Mouse IgG ₁ K, WS # VI P-44
CATALOG #: flgm2- 250 Anti FLAG M2,IgG ₁ Mouse Mab	
Specificity of Mab:	The anti Flag magnetic particle is designed to work with the FLAG peptide. The FLAG peptide marker is an octapeptide [asp-tyr-lys-asp-asp-asp-lys] fusion tag. The anti flag M2 magnetic particles can bind an available FLAG peptide whether it is located at the free amino terminus,

	Met amino terminus, internal site or carboxy terminus of a FLAG fusion protein. Met amino terminal FLAG fusion proteins are expressed within the cytoplasm.
PRODUCT: Goat Anti Mouse CATALOG #: gam50hl	
Surface Chemistry:	Covalently bound affinity purified Polyclonal Antibody directed at the Heavy and Light chain of the Mouse IgG molecule. Recognizes all sub classes of the IgG molecule.
PRODUCT: Streptavidin CATALOG #: sab250	
Surface Chemistry:	Streptavidin is a Biotin binding protein. Streptavidin binds 4 moles of Biotin per mole of Protein [$K_d 10^{-15}$]. It lacks carbohydrate side chains that are present on avidin and has an isoelectric point, pI, of 5-6 vs.10 for avidin. As a result Streptavidin has lower levels of Non Specific Binding than avidin.
PRODUCT: anti GST CATALOG #: gst 250 CloneGST3-4C Isotype Mouse IgG _{2b} -kappa	
Surface Chemistry:	Specific for 26-kDa GST protein from <i>S.japonicum</i> . It recognizes GST protein made in bacteria using the pGEX plasmid vectors. The antibody will recognize the GST protein alone or in combination with any fusion protein partner. No cross reactivity with <i>E. coli</i> proteins has been observed.
PRODUCT: Goat Anti Rat IgG H + L CATALOG #: gar250hl	
Surface Chemistry:	Covalently bound affinity purified Polyclonal Antibody IgG directed at the Heavy and Light chain of the Rat IgG molecule. Recognizes all sub classes of the IgG molecule.