

## 30-1873: Anti-CD222 / IGF2 receptor / CIMPR Monoclonal Antibody (Clone:MEM-238)-Biotin Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-238
<b>Application :</b>	FACS, IP, WB
<b>Reactivity :</b>	Human, Non-Human Primates
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	IGF2R
<b>Gene ID :</b>	3482
<b>Uniprot ID :</b>	P11717
<b>Alternative Name :</b>	IGF2R,MPRI
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Recombinant <i>Vaccinia</i> virus encoding CD222.

### Description

CD222 (CIMPR, cation-independent mannose 6-phosphate receptor; IGF2 receptor) is a ubiquitously expressed 250 kDa transmembrane protein. No more than 10% of CD222 is present on the cell surface where it serves as a multifunctional receptor. Intracellular (major) fraction of CD222 is involved in transport of newly synthesized lysosomal enzymes modified by mannose 6-phosphate from Golgi apparatus to lysosomes. The cell surface CD222 binds and internalizes exogenous mannose 6-phosphate-containing ligands. Importantly, CD222 is crucial for internalization and degradation of insulin-like growth factor 2, thus controlling cell growth. CD222 also complexes CD87 (urokinase-type plasminogen-activator receptor), plasminogen and latent TGF-beta, last but not least CD222 serves as a receptor for heparanase and even for *Listeria*.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

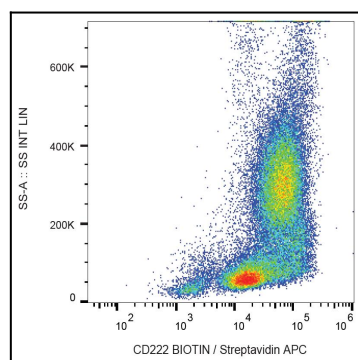


Figure 1: Surface staining of human peripheral blood with anti-CD222 (MEM-238) biotin, streptavidin-APC.