

Mouse anti-CD222, clone MEM-238 (Monoclonal)

Clone no. MEM-238

MONOSAN

---

Product name	Mouse anti-CD222, clone MEM-238 (Monoclonal)
Host	Mouse
Applications	FC , IP, WB
Species reactivity	Non-human primates, Human
Conjugate	-
Immunogen	Recombinant <i>Vaccinia</i> virus encoding CD222.
Isotype	IgG1
Clonality	Monoclonal
Clone number	MEM-238
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

## Mouse anti-CD222, clone MEM-238 (Monoclonal)

Clone no. MEM-238

MONOSAN

**Additional info**

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 exogeneous 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.

**References**

1. -
2. -
3. -
4. -
5. -

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES