



Rat Anti-Mouse CD18 Monoclonal antibody, clone M18/2 (CABT-L4345)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The M18/2 monoclonal antibody reacts with mouse CD18, a 90-95 kDa type I transmembrane protein also known as integrin beta 2. CD18 combines with CD11a to form the integrin LFA-1 and combines with CD11b to form the integrin Mac-1. CD18 plays roles in cell adhesion as well as cell-surface mediated signaling.
Target	Mouse CD18
Immunogen	C57BL/10 splenocytes
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	M18/2
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo LFA-1 neutralization
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]
Keywords	CXCR1;chemokine (C-X-C motif) receptor 1;C-C;CD128;CD181;CKR-1;IL8R1;IL8RA;CMKAR1;IL8RBA

GENE INFORMATION

Official Symbol	chemokine (C-X-C motif) receptor 1
Synonyms	CXCR1; chemokine (C-X-C motif) receptor 1; C-C; CD128; CD181; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA