

DESCRIPTION

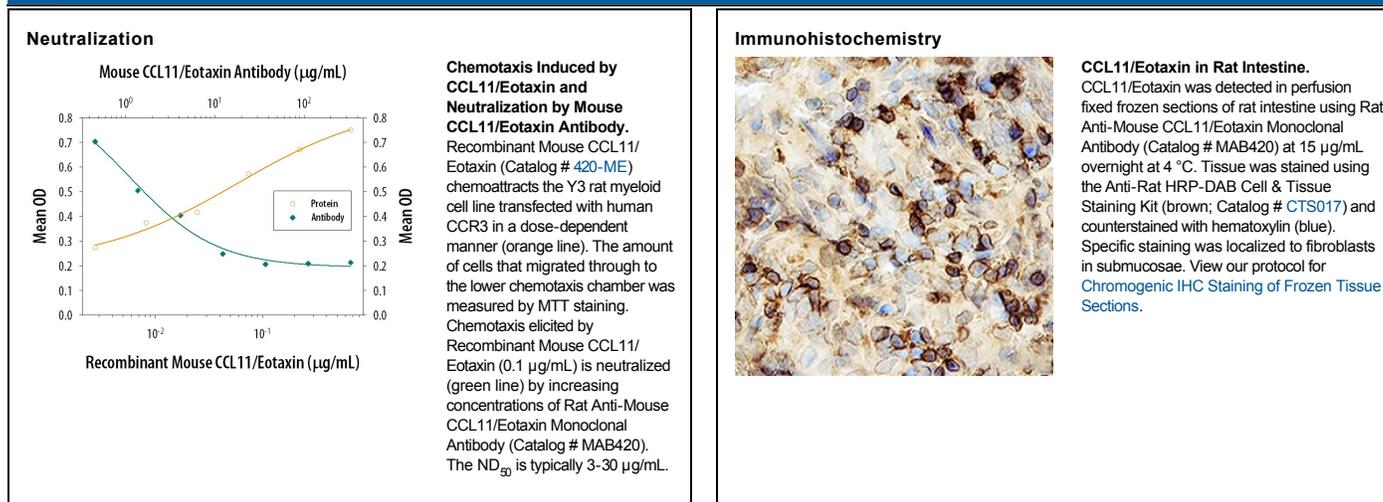
Species Reactivity	Mouse
Specificity	Detects mouse CCL11/Eotaxin in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 10% cross-reactivity with recombinant human (rh) CCL11/Eotaxin, recombinant mouse CCL7, and rhCCL21 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 42285
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CCL11/Eotaxin His24-Pro97 Accession # P48298
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Mouse CCL11/Eotaxin (Catalog # 420-ME)
Immunohistochemistry	8-25 µg/mL	See Below
Neutralization	Measured by its ability to neutralize CCL11/Eotaxin-induced chemotaxis in the Y3 rat myeloid cell line transfected with human CCR3. The Neutralization Dose (ND ₅₀) is typically 3-30 µg/mL in the presence of 0.1 µg/mL Recombinant Mouse CCL11/Eotaxin.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CCL11 is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. Mouse CCL11 cDNA encodes a 97 amino acid (aa) precursor protein from which the amino-terminal 23 aa are cleaved to generate the 74 aa mature mouse CCL11. At the protein sequence level, mature mouse CCL11 is approximately 60% identical to mature human and guinea pig CCL11. In addition, mouse CCL11 also shows high aa sequence identity to members of the MCP family. Mouse CCL11 is chemotactic for eosinophils, but not mononuclear cells or neutrophils. CCL11 mRNA is expressed in a variety of tissues. The expression of CCL11 mRNA is induced in cultured endothelial cells in response to IFN- γ . In addition, CCL11 mRNA is also induced in response to the transplantation of IL-4-secreting tumor cells. The CC chemokine receptor 3 (CCR3) has been identified as a specific human CCL11 receptor.

References:

1. Rothenberg, M.E. *et al.* (1995) Proc. Natl. Acad. Sci. USA **92**:8960.
2. Kitaura, M. *et al.* (1996) J. Biol. Chem **271**:7725.
3. Garcia-Zepeda, E.A. *et al.* (1996) Nature Medicine **2**:449.
4. Ponath, P.D. *et al.* (1996) J. Clin. Invest. **97**:604.