

Product datasheet for **SM482**

CXCL8 Mouse Monoclonal Antibody [Clone ID: 8M6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8M6
Applications:	ELISA, FC, FN, WB
Recommended Dilution:	ELISA: 5 µg/ml. The antibody may be used in combination with SP1251 in Sandwich ELISA assays for Ovine IL-8. Western Blot. Flow Cytometry: 1/10. Membrane permeabilization is required for this application. Functional Assays: Removal of Sodium Azide is recommended prior to use in functional assays.
Reactivity:	Bovine, Sheep, Canine, Ferret, Mustelid, Mink, Porcine, Rabbit
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Ovine IL-8
Specificity:	This antibody recognizes Interleukin-8 and shows no cross-reactivity with Ovine IL-1 beta, IL-6, MCP-1 or TNF alpha. This Interleukin 8 antibody neutralises the bioactivity of Ovine IL-8.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Entrez Gene 280828 Bovine P79255



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Background:

Interleukin 8, IL8 is a member of the CXC chemokine family. This family of small basic heparan-binding proteins are proinflammatory and primarily mediate the activation and migration of neutrophils into tissue from peripheral blood. This chemokine is one of the major mediators of the inflammatory response and is secreted by several cell types in response to an inflammatory stimulus. It functions as a chemoattractant, and is also a potent angiogenic factor. IL8 attracts neutrophils, basophils, and T-cells, but not monocytes. Cystic fibrosis (CF) is characterized by severe lung inflammation. The inflammatory process is believed to be caused by massive overproduction of the proinflammatory protein IL8, and the high levels of IL8 in the CF lung are therefore believed to be the central mechanism behind CF lung pathophysiology.

Synonyms:

CXCL8, Protein 3-10C, Emotakin, GCP1, MDNCF, MONAP, NAP1