

Mouse IL-8 Monoclonal Antibody | anti-CXCL8 antibody

MOUSE ANTI SHEEP INTERLEUKIN-8

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49284	Mouse	Bovine, Dog, Ferret, Mink, Mustelid, Pig, Rabbit	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

IL-8; Monoclonal Antibody; MOUSE ANTI SHEEP INTERLEUKIN-8; anti-CXCL8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bovine, Dog, Ferret, Mink, Mustelid, Pig, Rabbit
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8M6
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	101
Applicable Applications for anti-CXCL8 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Perservative Stabilisers	0.1% Sodium Azide
Buffer Solution	Phosphate buffered saline
Target Species	Sheep
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-CXCL8 antibody	Mouse anti Ovine Interleukin-8 antibody, clone 8M6 recognizes ovine interleukin-8 (IL-8), also known as C-X-C motif chemokine 8. IL-8 is a 101amino acid ~16kDa chemoattractant for neutrophils, basophils and T-cells. IL-8 is produced by several cell types including neutrophils, monocytes and macrophages in response to inflammatory stimulation. Mouse anti ovine Interleukin-8 antibody, clone 8M6 shows no cross-reactivity with ovine IL-1 beta, IL-6, MCP-1 or TNF alpha. Responses to infectious stimuli may vary among ovine species, the response to Mannheimia haemolytica, a causative agent of pneumonia, peritonitis and gangrenous mastitis in ovids, is exaggerated in Bighorn sheep (Ovis canadensis) compared to domestic sheep (Ovis aries) with significantly elevated IL-8 levels in response to infection (Herndon et al. 2010). Mouse anti ovine interleukin-8 antibody, clone 8M6 has been utilized to identify cells and cell types expressing IL-8 in inflamed porcine tissue (Laursen et al. 2014) showing here also that neutrophils are the predominant cell type expressing IL-8 whilst epithelial and endothelial cells in the vicinity of inflammatory lesions also express the cytokine. Clone 8M6 neutralizes the bioactivity of ovine IL-8. Note: Removal of the preservative is recommended prior to use in functional assays - AAA Biotech recommend the use of a Slide-A-Lyser® dialysis cassette for this purpose.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57164403
NCBI GeneID	443418
NCBI Accession #	NP_001009401.1
NCBI GenBank Nucleotide #	NM_001009401.2
UniProt Accession #	P36925
Molecular Weight	11,292 Da
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8
NCBI Protein Information	interleukin-8; C-X-C motif chemokine 8; IL-8; chemokine (C-X-C motif) ligand 8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8
UniProt Entry Name	IL8_SHEEP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/il-8-antibody-clone-8m6-western-blot-flow-cytometry-elisa/49284>