ARG23252
anti-GM-CSF antibody [3C2]

Package: 250 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3C2] recognizes GM-CSF Mouse anti Sheep GM-CSF, clone 3C2 specifically recognises both recombinant and native ovine Granulocyte-macrophage colony-stimulating factor, also known GM-CSF or CSF, a 16. 3kDa cytokine responsible for the stimulation and growth of cells from granulocyte, macrophage, eosinophil and erythrocyte hematopoietic precursor cell linages. Mouse anti Sheep GM-CSF, clone 3C2 has is of particular interest as it has been shown to reconise GM-CSF in cattle while other clones such as 8D8 do not crosss react with cattle. Mouse anti Sheep GM-CSF, clone 3C2 has been reported to neutralise the activity of both recombinant ovine and native GM-CSF. Removal of sodium azide is recommended prior to use in functional assays.
Tested Reactivity	Bov, Sheep
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	3C2
Isotype	IgG1
Target Name	GM-CSF
Species	Sheep
Immunogen	CHO expressed recombinant ovine GM-CSF.
Conjugation	Un-conjugated
Alternate Names	GM-CSF; Granulocyte-macrophage colony-stimulating factor; CSF; GMCSF; Molgramostin; Colony-stimulating factor; Sargramostim

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
WB	Assay-dependent

Application Note: ELISA: This product can be used in a sandwich ELISA as a capture antibody.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CSF2
Gene Full Name	colony stimulating factor 2 (granulocyte-macrophage)
Background	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [provided by RefSeq, Jul 2008]
Function	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. [UniProt]
Highlight	Related products: GM-CSF antibodies; GM-CSF ELISA Kits; GM-CSF Duos / Panels; GM-CSF recombinant proteins; Anti-Mouse IgG secondary antibodies; Related news: HMGB1 in inflammation Inflammatory Cytokines
Calculated Mw	16 kDa