ARG23529
anti-MHC Class I antibody [2G5]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2G5] recognizes MHC Class I. Mouse anti Mouse MHC Class I antibody, clone 2G5 recognizes a monomorphic epitope present on murine MHC class I molecules, expressed at varying levels on the majority of nucleated cells. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In mice, this complex is referred to as the histocompatibility 2 (H-2) region.The epitope recognised by clone 2G5 is conformation dependent and is reported to be phylogenetically conserved (Claesson et al. 1994). Reactivity has been observed with some canine samples suggesting that this antibody may recognize a polymorphic epitope of canine MHC class I.
Tested Reactivity	Hu, Ms, Rat, Bov, Gpig, Hm, Pig, Sheep
Tested Application	FACS, IP
Host	Mouse
Clonality	Monoclonal
Clone	2G5
Isotype	IgG2b
Target Name	MHC Class I
Species	Mouse
Immunogen	Purified H-2Kb and H-2Db MHC-I molecules.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
FACS	1:10 - 1:25
IP	Assay-dependent

Application Note: FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* 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.