ARG55404
anti-CD73 antibody [AD2]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [AD2] recognizes CD73
Tested Reactivity	Hu, NHuPrm
Tested Application	CyTOF®-candidate, FACS, IHC-Fr
Specificity	The mouse monoclonal antibody AD2 recognizes CD73, a 70 kDa GPI-anchored 5'-nucleotidase expressed predominantly on T and B cell subsets, follicular dendritic cells and endothelial cells.
Host	Mouse
Clonality	Monoclonal
Clone	AD2
Isotype	IgG1, kappa
Target Name	CD73
Species	Human
Immunogen	Pre-B leukemia cells.
Conjugation	Un-conjugated
Alternate Names	5'-nucleotidase; CD antigen CD73; eN; CALJA; CD73; EC 3.1.3.5; NT; Ecto-5'-nucleotidase; NT5; E5NT; 5'-NT; eNT; NTE

Application Instructions

Application table

Application	Dilution
CyTOF®-candidate	Assay-dependent
FACS	1 - 4 µg/ml
IHC-Fr	Assay-dependent

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

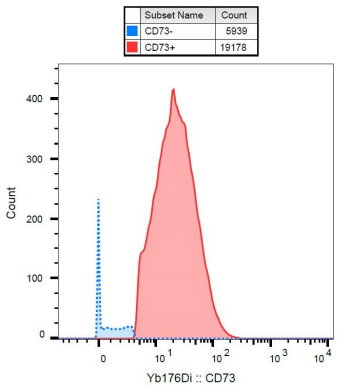
Purification	Purification with Protein A.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -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	NT5E
Gene Full Name	5'-nucleotidase, ecto (CD73)
Background	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]
Function	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Exhibits AMP-, NAD-, and NMN-nucleosidase activities. [UniProt]
Highlight	Related products: CD73 antibodies; CD73 ELISA Kits; Anti-Mouse IgG secondary antibodies; Related news: CyTOF-candidate Antibodies
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	63 kDa

Images



ARG55404 anti-CD73 antibody [AD2] CyTOF image

CyTOF: PBMC (after Ficoll-Paque separation) stained with ARG55404 anti-CD73 antibody [AD2] (Yb176).