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ARG56128
anti-Cytokeratin (pan) antibody [PAN-CK]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [PAN-CK] recognizes Cytokeratin (pan)
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P
Specificity	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK7, CK8, CK10, CK13, CK14, CK15, CK16, CK17, CK18 and CK19.
Host	Mouse
Clonality	Monoclonal
Clone	PAN-CK
Isotype	IgG, kappa
Target Name	Cytokeratin (pan)
Species	Human
Immunogen	Human epidermal keratin
Conjugation	Un-conjugated
Alternate Names	Type-II keratin Kb39; KRT1B; Keratin-77; K1B; K77; CK-1B; Cytokeratin-1B; Keratin, type II cytoskeletal 1b

Application Instructions

Application table

Application	Dilution
FACS	0.5 - 1 µg/10^6 cells
IHC-P	0.5 - 1 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

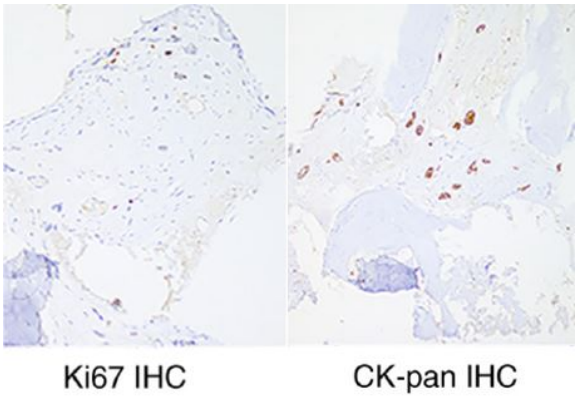
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA

Concentration	0.2 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	KRT77
Gene Full Name	keratin 77, type II
Background	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene encodes an epithelial keratin that is expressed in the skin and eccrine sweat glands. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq, Jun 2009]
Calculated Mw	67 kDa (CK1); 64 kDa (CK3); 59 kDa (CK4); 58 kDa (CK5); 56 kDa (CK6); 55 kDa (CK7); 52 kDa (CK8); 56.5 kDa (CK10); 53 kDa (CK13); 50 kDa (CK14); 50 kDa (CK15); 48 kDa (CK16); 46 kDa (CK17); 45 kDa (CK18) and 40 kDa (CK19).
PTM	Undergoes deimination of some arginine residues (citrullination).

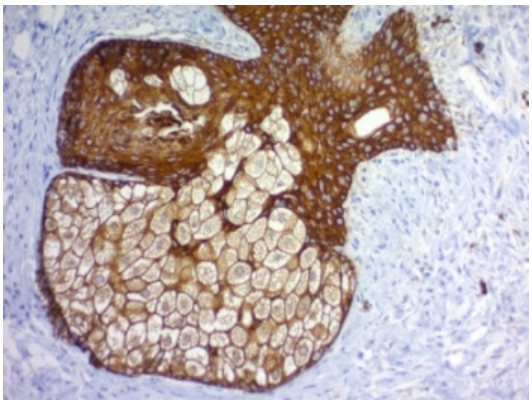
Images



ARG56128 anti-Cytokeratin (pan) antibody [PAN-CK] IHC-P image

Immunohistochemistry: Human bone marrow stained with ARG11083 anti-Ki-67 antibody and ARG56128 anti-Cytokeratin (pan) antibody [PAN-CK].

From Wu Q et al. Oncol Lett. (2022), doi: 10.3892/ol.2022.13459, Fig. 2. B.



ARG56128 anti-Cytokeratin (pan) antibody [PAN-CK] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human skin stained with ARG56128 anti-Cytokeratin (pan) antibody [PAN-CK].