

Cytokeratin Pan Type II Monoclonal Antibody (AE3), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Chicken, Human, Mouse, Non-human primate, Rabbit, Rhesus monkey
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	AE3
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_1834479

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	-	1 Publication

Product Specific Information

Description: The monoclonal antibody AE3 recognizes many members of the basic (Type II) cytokeratin family. Cytokeratins are intermediate filament proteins comprising one component of the cytoskeleton. There are two large families of cytokeratins, acidic and basic, but all contain the same basic domains (i.e. an alpha-helical core with an N- and C-terminal domain). The proteins are expressed in epithelial cells, but are developmentally regulated. Many tumors also express these cytokeratins, and their expression can help identify the origin of a neoplasm.

The AE3 monoclonal antibody recognizes the 65 to 67 triplet, 64, 59, 58, 56, 54 and 52kD proteins (also known as cytokeratin 1, 2, 3, 4, 5, 6, 7 and 8) in mouse, human, rat, primate (cynomolgus and rhesus), dog, cat, rabbit and chicken.

Applications Reported: This AE3 antibody has been reported for use in western blotting, immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, immunohistochemical staining, and immunocytochemistry.

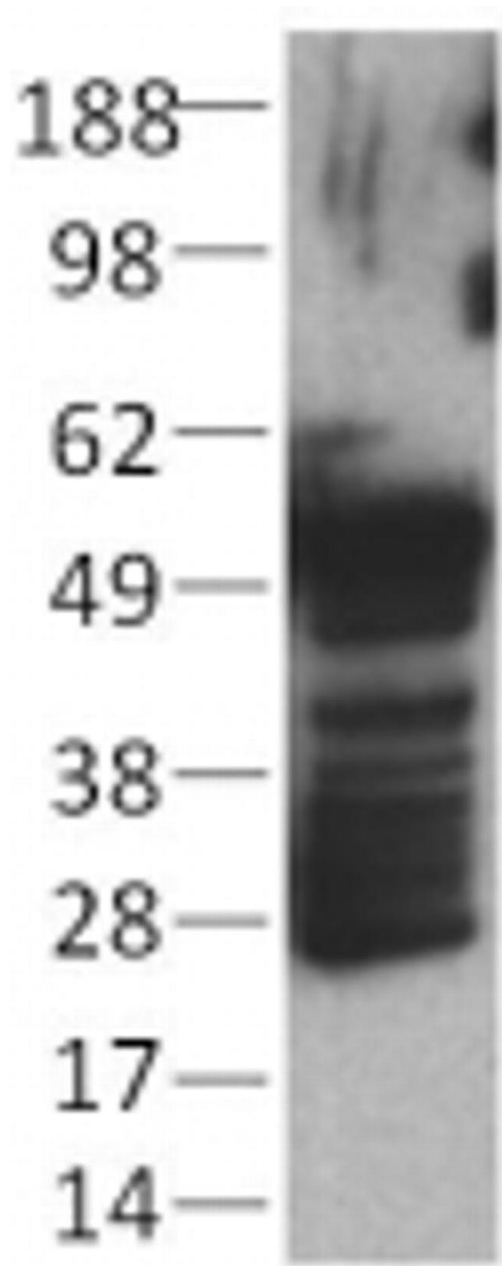
Applications Tested: This AE3 antibody has been by tested western blot on SDS-reduced lysates from MCF7 cells at less than or equal to 2 µg/mL. It is recommended that the antibody be titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Cytokeratin Pan Type II Monoclonal Antibody (AE3), eBioscience™



Cytokeratin Pan Type II Antibody (14-9000-82) in WB
MCF7 cell lysates prepared under reducing conditions were resolved by SDS-PAGE then immunoblotted with 2 µg/mL of Anti-Basic Cytokeratin Purified. Bands were visualized using Anti-Mouse IgG HRP.

Flow Cytometry (1)

F1000Research

Flow cytometry dataset for cells collected from touched surfaces.

"14900082 was used in flow cytometry to examine epithelial cell populations from touch samples"

Authors: Kwon YJ,Stanciu CE,Philpott MK,Ehrhardt CJ

Year
2020

Species
Human

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