ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Cytokeratin 10+13(CK 10+13) Mouse MAb anti-human

**Catalog number:** MM-1008-01 0.5 ml Concentrated IgG1 0.2 mg/ml

MM-1008-02 1.0 ml Concentrated IgG1 0.2 mg/ml

MM-1008-04 7.0 ml Prediluted for IHC IgG1 5-6 µg/ml

**Buffer:** Protein A purified antibodies are in supplied in PBS with 1% BSA, 0.05% azide, pH 7.4.

**Description**: Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1, CK2, CK3, CK4, CK5, CK6, CK7, CK8 and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10, CK12, CK 13, CK14, CK16, CK17, CK18, CK19 and CK20. This antibody reacts with 53 kDa and 56.6 kDa cytokeratin (CK) proteins by Western blot. With frozen sections, this antibody serves as a differentiation related marker for all stratified epithelia and stains all suprabasal cell in both cornifying and non-cornifying stratified epithelia and more differentiated cells of squamous carcinomas. Recently Silveira et. al. (3) have reported that in tongue squamous cell carcinoma the expression of CK 10 was significantly correlated with the presence of metasis.

**Intended Use**: Immunohistochemistry (IHC) and Immunocytchemistry (ICC)

**Storage: 2-8°C**

**Clone**: CK 208 **Isotype:** IgG2a

**Epitope:** Not determined

**Molecular weight of antigen:** CK 10 is 56.9 kDa and CK 13 is 53 kDa

**Immunogen:**. Cytokeratin extraction from human ectocervical epithelium

**Species reactivity:** Human, others –not-tested.

**Cellular Localization:** Cytoplasmic

**Recommended positive control:** Human tonsil, tongue, or squamous cell ca.

**Application: I**mmunohistochemistry **(**IHC), Immunocytochemistry (ICC) (frozen tissue sections ONLY or cell smears)

For IHC dilute conc. antibodies 1:50-1:100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature.

The optimum dilution should be determined by the individual lab.

**General References**

1. Moll, R et al Cell, 31: 11-24, (1982)
2. Ivanyi D, et. al; Cancer Res. 50: 5143-5152, 1990
3. Silveira, EJ et. al. Int. J Surg. Pathol. 15: 376-383, 2007

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

---------------------------------------------------------------------------------------------------------------------------------

For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY

“*In vitro* laboratory products for research”

Phone: + 425 367 4601; Fax: + 425 367 4817; cell (mobile) phone: + 425 314 0199

Marketing phone: + 650 343 IBSC (4272); e-mail:anitaIBSC@aol.com

Web site: [www.immunobioscience.com](http://www.immunobiosci.com); E-mail: [baderbo@gmail.com](mailto:baderbo@gmail.com)

PRODUCT OF USA