

## Product datasheet for **AM20633PU-N**

### Involucrin (IVL) Mouse Monoclonal Antibody [Clone ID: IL-9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IL-9
Applications:	IF, IHC, IP, WB
Recommended Dilution:	Western Blot: 2 µg/ml. Immunohistochemistry on paraffin and frozen sections: 0.4 - 1 µg/ml. Immunocytochemical.
Reactivity:	Canine, Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human involucrin
Specificity:	This antibody reacts to Involucrin.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	involucrin
Database Link:	<a href="#">Entrez Gene 3713 Human P07476</a>



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**Background:**

Involucrin is a keratinocyte protein that first appears in the cell cytosol, but ultimately becomes cross-linked to membrane proteins by transglutaminase. The gene consists of 585 amino acids, 390 of which form a central decapeptide repeat, rich in glutamine and glutamic acid. The involucrin gene, encoding a protein of the terminally differentiated keratinocyte, is polymorphic in the human. Involucrin has previously been mapped to chromosome 1q21. The epidermal protein involucrin has been remodeled in the higher primates. And the existence of two populations of East Asian involucrin alleles gives support for the existence of a Eurasian stem lineage from which Caucasians and a part of the Asian population originated.

**Synonyms:**

involucrin