

Product datasheet for **BM4108**

Complement SC5b-9 (TCC / MAC) Mouse Monoclonal Antibody [Clone ID: X-11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	X-11
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 0.4 µg/ml (1/1000). Immunohistochemistry on Paraffin Sections: 2 µg/ml (1/200). Microwave pretreatment for antigen retrieval is recommended. Has been described to work in FACS .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Enriched Human blood dendritic cells.
Specificity:	Monoclonal antibody Clone <i>X-11</i> detects a Neoepitope of the Complement Component C9 which is expressed when C9 is assembled in the terminal complement complex (TCC). Antigen Distribution Isolated Cells: Positive on dendritic cells in the peripheral blood. It is absent from all other blood cells. LPS or IFN-gamma stimulated monocytes do not express the antigen. Tissues Sections: The antigen is found on follicular dendritic cells of lymph nodes in the B-cell dependent areas. Some macrophages of the tonsil stain also positive with the antibody. It is absent from the thymus and the skin. In the spleen, trabeculae are stained positively by X-11.
Formulation:	PBS, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Stabilizer: 5 mg/ml BSA Preservative: 0.1% Kathon
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	0.4 mg/ml (after reconstitution)
Purification:	Affinity Chromatography

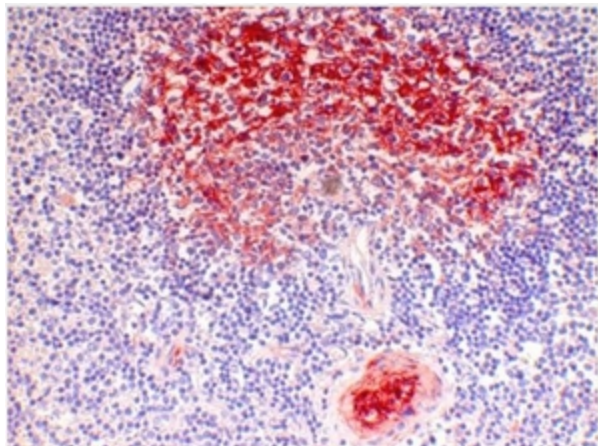


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Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Follicular dendritic cells and sinus lining cells in lymph node and tonsil, and blood dendritic cells express the X-11 antigen. X-11 ⁺ blood dendritic cells show typical dendritic veils and are the most potent stimulator cells in an allogenic mixed leukocyte reaction when compared with other leukocytes. X11 ⁺ cells strongly react with anti S100 and weakly with anti CD68. The literature suggests that X-11 ⁺ cells are dendritic cells of monocytic origin.
Synonyms:	Marker for Complement C9 Neoepitope On Follicular Dendritic Cells, Terminal complement complex, Membrane attack complex

- Note:**
- Protocol: **Protocol with frozen, ice-cold acetone-fixed sections:**
- The whole procedure is performed at room temperature
1. Wash in PBS
 2. Block endogenous peroxidase
 3. Wash in PBS
 4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
 5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
 6. Wash in PBS
 7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
 8. Wash in PBS
 9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
 10. Wash in PBS
 11. Counterstain with Mayer's hemalum
- Protocol with formalin-fixed, paraffin-embedded sections:**
- The whole procedure is performed at room temperature
1. Deparaffinize and rehydrate tissue section
 2. Place slide in a cuvette with 250ml 0.01M citrate buffer, pH 6.0
 3. Heat slide in a microwave oven for 2 x 7min. at 700Watt
 4. Leave slide in the buffer for 20min for cooling
 5. Wash in distilled water
 6. Block endogenous peroxidase
 7. Wash in PBS
 8. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
 9. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
 10. Wash in PBS
 11. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
 12. Wash in PBS
 13. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
 14. Wash in PBS
 15. Counterstain with Mayer's hemalum

Product images:



Human Spleen Paraffin Section stained with
BM4108 (Clone X-11)