

IL-12 p70 Monoclonal Antibody (20C2), Functional Grade, eBioscience™

| Product Details | |
|--------------------|-------------------------|
| Size | 500 µg |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotope | Rat / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 20C2 |
| Conjugate | Functional Grade |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | no preservative |
| Storage Conditions | 4° C |
| RRID | AB_2573119 |

| Applications | Tested | Dilution | Published |
|---|--------|-----------------|---------------|
| ELISA (ELISA) | ✓ | Assay-Dependent | 1 Publication |
| Functional Assay (FN) | ✓ | Assay-Dependent | |
| Immunohistochemistry (Paraffin) (IHC (P)) | ✓ | Assay-Dependent | |
| Neutralization (Neu) | ✓ | Assay-Dependent | |
| Western Blot (WB) | ✓ | Assay-Dependent | |

Product Specific Information

Description: The monoclonal antibody 20C2 reacts with heterodimeric form of IL-12 called p70 (sometimes called p75). The two covalently linked subunits that comprise IL-12 are p35 and p40 with a combined relative mass of 75 kDa protein. IL-12 is secreted primarily by activated monocytes, macrophages, and dendritic cells. IL-12 can induced IFN gamma production and plays a key role in the development of Th responses. This 20C2 antibody has been reported to have neutralizing activity of the intact IL-12p70 complex (but not the individual subunits).

Applications Reported: This 20C2 antibody has been reported for use in western blotting, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and ELISA. It has also been reported in blocking IL-12 receptor binding and biologic activity in functional assays.

Endotoxin: Less than 0.001 ng/ug antibody as determined by the LAL assay.

Storage and handling: Use in a sterile environment.

Filtration: 0.2 µm post-manufacturing filtered.

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

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

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

1 Reference

ELISA (1)

Oncoimmunology

Hematopoietic stem cell-derived myeloid and plasmacytoid DC-based vaccines are highly potent inducers of tumor-reactive T cell and NK cell responses *ex vivo*.

"16-8126 was used in an ELISA assay to indicate that hematopoietic stem and progenitor cells-derived dendritic cell vaccines may possess superior potential to boost antitumour immunity post allogeneic stem cell transplantation."

Authors: Thordardottir S,Schaap N,Louer E,Kester MG,Falkenburg JH,Jansen J,Radstake TR,Hobo W,Dolstra H

Species
Human

Dilution
Not Cited

Year
2018

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