

Rabbit Anti-CD48 [EP148]: RM0046

Intended Use: For Research Use Only

Description: CD48 (BLAST1) is an activation-associated, glycosylphosphatidylinositol (GPI)-anchored cell surface glycoprotein expressed primarily in mitogen-stimulated human lymphocytes. CD48 is expressed on T cells, B cells, thymocytes and splenocytes. Both normal and malignant white blood cells express CD48 on their membrane surface, but greater than 95% of CD34+ hematopoietic stem cells do not express CD48. CD48 is expressed at higher levels on human Burkitt's lymphoma cell lines, Raji and most acute myeloid leukemia cells with phenotype CD34-/CD13+/CD33+. Although much remains to be elucidated, CD48 is a critical marker for human immunity, and will most likely be of use in the treatment of many diseases like hematopoietic tumors, autoimmunity, allergy and chronic inflammatory diseases.

Specifications:

Clone: EP148
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
CD48 Concentrated	RM0046	1 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, myeloid leukemia
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.