

DESIGNATION OF CELL LINE AND PRODUCT : *LO-hK-3*

IMMUNOGEN :

SUBSTANCE NAME : Purified Human Ig
GENUS SPECIES : Homo sapiens - HUMAN

IMMUNOCYTE DONOR :

GENUS SPECIES : Rattus norvegicus - rat
STRAIN : LOU/C

IMMORTAL CELL PARTNER :

DESIGNATION : non secreting LOU/C rat IR983F fusion line (1)

HYBRIDOMA CELLS AND MONOCLONAL ANTIBODY :

CLASS OF ANTIBODY PRODUCED : Rat Kappa IgG1, allotype IgK-1a
NAME FOR CELL LINE : LO-hK-3 HYBRIDOMA
NAME FOR PRODUCT : LO-hK-3 MONO Ab
ICDB NUMBER : 3042850

REACTIVITY :

Human kappa light chain of immunoglobulin

AVIDITY :

On human kappa myeloma protein: $4.1 \times 10^8 M^{-1}$

CROSS-REACTIVITY

Does not cross-react with guinea pig, chicken, rabbit, goat, sheep, cow, horse, dog, swine, baboon immunoglobulins. Does not cross-react with mouse Ig (ELISA test).

Well reacts with the non denaturated and denaturated kappa light chain.

APPLICATIONS : Cf REACTIVITY :

- CAN BE USED FOR CAPTURE ELISA (GOOD BINDING ON PLASTICS)
- CAN BE LABELLED WITH FITC, BIOTIN and PEROXIDASE
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN BE USED TO DETECT MEMBRANE KAPPA Ig ON HUMAN B LYMPHOCYTES
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of Human Ig Kappa (Solid phase Sepharose 4B CNBr act.)

FORMAT AVAILABLE:

- Azide Free
- Endotox Free
- Custom labeling available on the full catalog or on request (Phycoerythrin, HRP, FITC, Alexa Fluor, ...)
- In cocktail with another antibody

REFERENCE :

- (1) Bazin H. Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. Prot. Biol. Fluids, 1982, Peeters E. ed., 29th colloquium 1981 Pergamon Press Oxford and N.Y. : 615-618
- (2) Vanhove B., Bach F.H. Transplantation 1993, 56 : 1251-1292

"Rat Hybridomas and Rat Monoclonal Antibodies". H. BAZIN (Ed.). CRC Press, Boca Raton, Florida, USA, 1990, 515 pages.

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